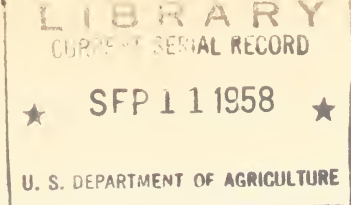


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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURE RESEARCH SERVICE

PLANT QUARANTINE DIVISION

LIST OF INTERCEPTED PLANT PESTS, 1957

(List of Pests Recorded from July 1, 1956, through June 30, 1957 as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

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INTRODUCTION

This forty-fourth report of interceptions summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate transportation and exportation in bond, and (5) in domestic shipments between the American Virgin Islands, Hawaii, and Puerto Rico and the mainland.

This report is largely a compilation of insects and plant diseases of known or potential plant quarantine significance to the United States. Some common organisms are included if they are (1) new to the country of origin, or (2) new to the host plant, or (3) are of such limited distribution in the United States that they are worthy of mention.

The data for this list, which includes some for the previous year, are largely obtained from identifications made by specialists of the Entomology Research Division and Plant Quarantine Division, supplemented by information supplied by State officials. Some, however, represent critical studies and determinations made by specialists of the Crops Research Division who also identified many of the host plants cited.

All scientific names are reviewed by specialists in the Department to assure conformance to the International Rules of Nomenclature.

Every effort is made to give the correct origin for all collections listed, questionable cases are omitted or the origin is listed as unknown.

INTERCEPTIONS FROM AIRBORNE MATERIAL

The rapid growth of air transportation continues to increase the danger of foreign plant pests being introduced by this means. In addition to international air travel, commerce in plants and plant products by air is developing steadily. The speed with which pests may now be brought

from all parts of the world makes conditions more favorable for their survival and necessitates constant vigilance to apprehend them at ports of entry.

Pests were intercepted on plant material arriving by airborne baggage, express, freight, mail, and stores. During the year 3,024 interceptions were made of insects on imported plant parts or as stowaways, and 559 interceptions of plant diseases.

Some important insect interceptions in airborne material were:

Adoxophyes orana on lilac in cargo from the Netherlands.

The Citrus blackfly (*Aleurocanthus woglumi*) on citrus leaves in baggage from Mexico and Nicaragua.

Anastrepha fraterculus in peach in baggage from Peru.

The Mexican fruit fly (*Anastrepha ludens*) in grapefruit in baggage from Mexico; in mango in baggage from Guatemala; in orange in baggage from Mexico; and in white sapote in cargo from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in bitter-almond in baggage from the Dominican Republic; in guava in baggage from Guatemala; in mango in baggage from Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, St. Kitts, and Salvador; in mango in quarters from an unknown origin; in yellow mombin in baggage from Central America (country (?)), the Dominican Republic, Guatemala, Nicaragua, and Salvador.

Anastrepha serpentina in mamey in baggage from Mexico; and in mamey sapote and sapodilla in baggage from Nicaragua.

Anastrepha striata in guava in baggage from Guatemala and Salvador.

Anastrepha suspensa in guava in baggage from Puerto Rico; and in guava in cargo from Jamaica.

A rose stem borer, *Ardis sulcata*, in rose stem in quarters from Germany.

The Mediterranean fruit fly (*Ceratitis capitata*) in apricot in stores from France; in avocado in preflight inspection of baggage leaving Hawaii for the mainland; in cherimoya in baggage from South America (country (?)); in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland; in fig in baggage from Italy; in grapefruit in baggage from Bermuda; in loquat in baggage from Italy; in orange in baggage from Iraq; in orange in stores from the Azores, France, and an unknown origin; in peach in baggage from Argentina, Azores, and Italy; in pear in baggage from Italy and an unknown origin; in pear in stores from an unknown origin (Mediterranean region); in plum in baggage from Germany and Italy. *C. capitata* (?) in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland; in guava in baggage from the Azores; in orange in baggage from the Madeira Islands; and in orange in stores from Israel (?).

Cylas formicarius var. in sweetpotato in cargo from the Philippines.

Palaeopus costicollis in yam in baggage from Jamaica.

The pink bollworm (*Pectinophora gossypiella*) in cottonseed in baggage from the Bahamas and Cuba; in cotton boll in preflight inspection of baggage leaving Hawaii for the mainland; in cotton lock in baggage from Cuba; and in okra in baggage from the Dominican Republic.

The gypsy moth (*Porthetria dispar*) in apricot in stores from France.

The European corn borer (*Pyrausta nubilalis*) in samples of broomcorn in mail from Yugoslavia.

Rhagoletis cerasi in cherries in baggage from France, Germany, and Greece; in cherries in quarters from Germany; and in cherries in stores from France, Italy, Portugal, and Spain.

Rhagoletis cingulata in cherries in stores from France.

Interceptions of airborne plant pathogens of interest were:

Alternaria dauci on coriander leaf in cargo from Puerto Rico.

Cercospora panacis (?) on *Nothopanax* sp. in quarters from Australia.

Chrysomya ledi var. *rhododendri* on rhododendron leaves in baggage from Austria and Switzerland; on rhododendron leaves in mail from Germany and Switzerland; and on rhododendron leaves in quarters from Germany.

Corynespora cassiicola on palm fronds in cargo from Mexico.

Hypocrella sloanae on leaf of *Chamaedorea oblongata* in cargo from Mexico.

Leptosphaeria culmifraga on rice straw in baggage from Japan.

Meliola acervata on *Physalis peruviana* in preflight inspection of baggage leaving Hawaii for the mainland.

Mycosphaerella cattleiae on a leaf of *Epidendrum* sp. in cargo from Ecuador; and on an orchid leaf in cargo from New Guinea.

Phoma citricarpa on *Citrus* sp. peel in baggage from Japan; on grapefruit in baggage from Pakistan; on lemon in stores from Australia; on Mandarin orange in baggage from China, Hong Kong, Japan, and the Philippines; on orange in baggage from Hong Kong, Japan, and the Union of South Africa; on orange in quarters from Mozambique and the Union of South Africa; and on orange in stores from Australia, Brazil, Mozambique, and the Union of South Africa.

Phyllosticta coccolobae on seagrape in baggage from Kwajalein.

Phyllosticta fusco-zonata (?) on leaves of *Rubus* sp. in stores from Italy.

Pseudopeziza ribis on leaves of European black currant in baggage from Germany.

Septoria petroselinii on parsley in stores from the Azores.

Sphaceloma faveolii var. *scabiosa* on *Citrus hystrix*, lemon, and lime in stores from Australia.

Uredo scabiei on leaf and stem of *Vanilla* sp. in baggage from Panama.

Citrus canker (*Xanthomonas citri*) on orange in quarters and stores from Japan; and on satsuma orange in baggage from Hong Kong.

Xanthomonas malvacearum on cotton leaf in baggage from the Bahamas.

Xanthomonas sp. (Cancrosis B) on lemon in stores from Argentina.

The following nematodes were found in airborne material:

Helicotylenchus erythrinae in soil with amaryllis bulbs in baggage from Portugal; in soil with dahlia roots in baggage from Scotland; in soil with gladiolus corms and lily bulbs in baggage from Italy; and in soil with plants in baggage from Canada.

Helicotylenchus multicinctus in soil around roots of bloodleaf in baggage from Costa Rica.

Helicotylenchus nannus in soil with begonia and Crassulaceae plants in baggage from the Azores; in soil with cuttings of begonias and fuchsias in baggage from Greece; in soil with heather in baggage from Scotland; in soil with rhododendron plants in baggage from Scotland; in soil with mint plants in baggage from Cuba; in soil with sansevieria plants in baggage from Haiti; and with soil around roots of an unknown plant in baggage from Jamaica.

The oat nematode (*Heterodera major*) in soil with geranium plants in baggage from England.

The golden nematode (*Heterodera rostochiensis*) in soil with amaryllis, euonymus, geranium, and oxalis plants in baggage from Ireland; in soil on a pair of boots in baggage from Ireland; in soil with heather in baggage from Scotland; in soil with lily-of-the-valley plants, hyacinth, lily, and tulip bulbs in baggage from England; and in soil with shamrock plants in mail from England.

Rotylenchus erythrinae (?) in soil with aloe plants in baggage from Jamaica.

Rotylenchus reniformis in soil with unidentified bulbs in baggage from Cuba.

Rotylenchus robustus in soil with carnation and primrose plants and tuberose bulbs in baggage from England.

Tylenchorhynchus brevidens with primrose plants in baggage from Ireland.

Tylenchorhynchus dubius in soil with plants in baggage from Canada.

Tylenchus filiformis in soil with cactus plant in baggage from Greece; and in soil with *Sedum* sp. in baggage from Italy.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

The following fruit flies were intercepted:

Acidia heraclei (?) in celery in stores from France.

Anastrepha fraterculus in peach in air baggage from Peru.

The Mexican fruit fly (*Anastrepha ludens*) in apple in baggage from Mexico; in grapefruit in stores from British Honduras and Mexico; in grapefruit in baggage from Mexico; in Mandarin orange in baggage from Mexico; in mango in air baggage from Guatemala; in mango in baggage and stores from Mexico; in orange in stores from Guatemala; in orange in air baggage, baggage, quarters, and stores from Mexico; in peach, pear, ponderosa lemon, quince, and sweet lime in baggage from Mexico; and in white sapote in baggage and air cargo from Mexico. *A. ludens* (?) in mamey sapote and mango in baggage from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in bitter-almond in air baggage from the Dominican Republic; in guava in air baggage from Guatemala; in guava in baggage from Cuba and Mexico; in guava and guava berry in cargo from

Tortola; in mango in air baggage from Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, St. Kitts, and Salvador; in mango in baggage from Mexico, Puerto Rico, Salvador, and Tortola; in mango in cargo from Cuba and Tortola; in mango in mail from Cuba and Panama; in mango in air quarters from an unknown origin; in mango in quarters from Cuba, Puerto Rico, and Trinidad; in mango in stores from Panama; in mombin (*Spondias* sp.) in air baggage from British Honduras, Guatemala, and Salvador; in purple mombin in air baggage from Guatemala, Mexico, and Nicaragua; in yellow mombin in air baggage from Central America (country (?)), Dominican Republic, Guatemala, Nicaragua, and Salvador; and in yellow mombin in baggage from St. Martin; *A. mombinpraepoptans* (?) in mango in baggage from Ecuador; and in mango in stores from Venezuela.

Anastrepha serpentina in mamey in air baggage from Mexico; in mamey sapote in air baggage from Nicaragua; in mamey sapote in baggage from Mexico; in mamey sapote in stores from Colombia; and in sapodilla in air baggage from Nicaragua.

Anastrepha striata in guava in air baggage from Guatemala and Salvador; in guava in baggage from Mexico; and in guava in mail from Puerto Rico.

Anastrepha suspensa in guava in air baggage from Puerto Rico; and in guava in air cargo from Jamaica.

The Mediterranean fruit fly (*Ceratitis capitata*) in apricot in air stores from France; in avocado in baggage from Hawaii; in cherimoya in air baggage from South America; in cherry in mail from Italy; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in coffee in baggage from Hawaii; in *Crataegus* sp. in baggage from Italy; in fig in air baggage from Italy; in grape in cargo from the Union of South Africa; in grapefruit in air baggage from Bermuda; in grapefruit in stores from Argentina, Israel, and Italy; in lemon in stores from Italy; in loquat in air baggage from Italy; in Mandarin orange in baggage from Italy; in Mandarin orange in stores from Algeria, Italy, and Spain; in orange in air baggage from Iraq; in orange in air stores from Azores, France, and an unknown origin; in orange in stores from Brazil, Egypt, and Italy; in peach in air baggage from the Azores and Italy; in peach in cargo from the Union of South Africa; in peach in air stores from Argentina; in peach in stores from Italy; in pear in air baggage from Italy and an unknown origin; in pear in baggage from Italy; in pear in air stores from an unknown origin; in persimmon in baggage from Italy; in plum in air baggage from Germany and Italy; in pricklypear in baggage from Greece and Italy. *C. capitata* (?) in Arabian coffee in mail leaving Hawaii for the mainland; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in guava in air baggage from the Azores; in orange in air baggage from the Madeira Islands; in orange in quarters from Brazil and Gibraltar; in orange in air stores from Israel (?); in orange in stores from Brazil; and in pomegranate in baggage from Italy.

Dacus ciliatus (?) in squash in stores from French West Africa.

The melon fly (*Dacus cucurbitae*) in bell pepper and tomato in stores from Hawaii. *D. cucurbitae* (?) in cucumber in stores from Hawaii.

The oriental fruit fly (*Dacus dorsalis*) in *Actinophloeus macarthurii* (palm) in baggage from Hawaii; an adult on an airplane from Guam; an adult in package containing anthurium and orchid flowers in mail from Hawaii; in coffee in air baggage and mail from Hawaii; in guava in air baggage from Hawaii; in Malay-apple in baggage from Hawaii. *D. dorsalis* (?) in *Calophyllum inophyllum* in mail from Hawaii; in Arabian coffee in air baggage and mail from Hawaii; in coffee in mail from Hawaii; and in fig in air baggage from Hawaii.

The olive fruit fly (*Dacus oleae*) in olive in baggage from Greece and Italy; in olive in air baggage from Italy and Lebanon; and in olive in stores from Italy.

Rhagoletis basiola in rose hips in mail from Canada.

Rhagoletis cerasi in apple in air stores from Italy (?); in cherry in air baggage from France, Germany, Greece, Italy, and an unknown origin; in cherry in baggage from Italy; in cherry in air stores from France, Germany, Italy, Portugal, Spain, and an unknown origin; in cherry in stores from Spain; *R. cerasi* (?) in apple in air stores from an unknown origin; and in cherry in air stores from Italy and the Netherlands.

The cherry maggot (*Rhagoletis cingulata*) in air stores from France.

INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of unusual interest were intercepted:

Acrolepia assectella (Hyponomeutidae) in leek in stores from France, Morocco, and Spain.

The citrus blackfly (*Aleurocanthus woglumi*) on *Citrus* sp. leaf in baggage from Mexico; on decorative greens in cargo from Mexico; on an unknown plant in soil from Mexico; and on sour lime leaf in cargo from Mexico.

Arge ochropa (Argidae) on roses in air baggage from Germany.

Bruchophagus coluteae (Eurytomidae) in *Colutea arborescens* seeds in cargo from Italy. A carposinid, *Carposina sasakii*, in apple in air baggage, air stores, and quarters from Japan.

The banana root borer (*Cosmopolites sordidus*) in banana in cargo from Mexico.

A phycitid, *Cryptoblabes gnidiella*, in pomegranate in air baggage and baggage from Israel, Italy, and Libya.

Dichocrocis punctiferalis (Pyraustidae) on *Pinus pentaphylla* foliage in cargo from Japan.

Epicaerus cognatus (Curculionidae) in potato in stores from Mexico.

The oriental fruit moth (*Grapholitha molesta*) in peach in air quarters from Japan.

A hydrophilid, *Helophorus rugosus*, in turnip in stores from England.

Hemimene juliana (Olethreutidae) in chestnut in cargo from Italy; and in chestnut in stores from Europe (?).

Lixus junci (Curculionidae) in beet in stores from Egypt.

Mamestra brassicae (Noctuidae) in cabbage in stores from Belgium; in cauliflower in stores from Germany; in celery in stores from England; and in lettuce in stores from Belgium.

A curculionid, *Naupactus xanthographus*, in grape in cargo from Chile.

A scolytid, *Scolytus multistriatus*, in elm bark in cargo from Canada.

The durra stem borer (*Sesamia cretica*) in broomcorn in cargo and quarters from Italy; and in broomcorn in mail from Greece.

Stephanoderes hampei (Scolytidae) in Arabian coffee in mail from Liberia; in *Coffea canephora* in mail from French West Africa; in *Coffea ugandae* in mail from French Equatorial Africa; and in coffee in stores from Angola.

Trogoderma granarium (Dermestidae) with mung beans and sorghum seed in mail from Pakistan; in rice in stores from Brazil, Formosa, Hong Kong, India, Kuwait, and Straits Settlements; and with wheat in stores from Formosa.

SNAILS

Bradybaena similis, an injurious snail not established in the United States, was intercepted 115 times with plant material in baggage, cargo, and mail leaving Hawaii for the mainland and once with lily bulbs in baggage from Bermuda.

Lamellaris gracilis, injurious in greenhouses and not established in the United States, was found with roots of *Cattleya* sp. in preflight inspection of mail leaving Hawaii for the mainland.

Porphyrobapha iostoma, not injurious under normal conditions and not established in the United States, was taken with bananas in cargo from Ecuador and Honduras.

Theba pisana, an injurious snail not known to be established in the United States, was intercepted with beets in stores from Belgium, on a conex box in air cargo from Morocco, with dunnage in quarters from Morocco, with military cargo from Morocco and Tripoli, and with Swiss chard in stores from Venezuela.

Other snails of economic importance but of limited distribution in the United States and worthy of mention were: *Arion circumscriptus*, *Deroceras reticulatum*, *Limax marginatus*, *L. maximus*, and *Zonitoides orboreus*.

NOTES ON DISEASES INTERCEPTED

The sweet orange scab (*Elsinoe australis*) was intercepted 59 times; 18 of these interceptions came from Argentina on lemon and oranges; 41 from Brazil on grapefruit, lemon, orange, and sweet lime.

Citrus canker (*Xanthomonas citri*) was intercepted 66 times; 58 of these came from Japan, 4 from China, one each from Formosa, Hong Kong, Philippines, and Thailand. These interceptions were made from the following hosts: Grapefruit, lemon, lime, Mandarin orange, orange, pummelo, satsuma orange and sour orange.

Cancrosis B (*Xanthomonas* sp.), another bacterial disease of citrus, producing symptoms similar to citrus canker, was intercepted twice from Argentina on lemon.

The black spot of citrus (*Phoma citricarpa*) was intercepted 132 times; 49 of these came from the Union of South Africa, 26 from Hong Kong, 23 from China, 11 from Australia, 10 from Japan, 3 each from Brazil, Mozambique, and an unknown origin, and one each from Africa, Macao, Pakistan, and the Philippines. These interceptions

were made on the following hosts: *Citrus* sp., grapefruit, lemon, Mandarin orange, orange, and valencia orange.

Other interceptions were:

Corynespora cassiicola on palm in cargo from Mexico.

Heterosporium echinulatum on carnation in baggage from Colombia.

Heterosporium iridis on iris leaf in cargo from Canada.

"Leprosis" on lemon in stores from Peru.

Mainsia variabilis on *Rubus* sp. plant in baggage from Colombia.

Melampsora populnea on European aspen in mail from Germany.

Phyllosticta fusco-zonata (?) on *Rubus* sp. leaf in stores from Italy.

Puccinia allii on garlic in stores from Israel.

Septoria antirrhini on snapdragon in mail from France.

Septoria astericola on an aster leaf in mail from England.

Stemphylium botryosum on pepper in stores from Liberia.

Uredo scabiei on *Vanilla* sp. leaf and stem in baggage from Panama.

Urocystis cepulea on onion in stores from Israel.

Uromycladium tepperianum on a seed pod of *Acacia aneura* in mail from Australia.

NEMATODES

The oat nematode (*Heterodera major*) was intercepted 15 times from the following countries: Belgium, Denmark, England, Ireland, Italy, Netherlands, Scotland, Spain, and Sweden. These interceptions were taken in soil with *Cymbalaria* sp. plants, soil with garlic, soil with geranium plants, soil with horseradish, soil with jute bagging, soil with surplus military equipment, soil with potatoes, soil with potted plants, and soil with shallots.

The golden nematode (*Heterodera rostochiensis*) was intercepted 85 times from the following countries: Argentina, Belgium, Ecuador, England, Germany, Greece, Iceland, Ireland, Mexico, Netherlands, Peru and Scotland. These interceptions were taken in soil with automobiles, soil on a pair of boots, and in soil with bulbs, plant material, and vegetables.

Other nematodes of special interest were:

Heterodera carotae (?) in soil with carrots in stores from Germany.

Helicotylenchus erythrinae in soil with amaryllis bulbs in air baggage from Portugal; in soil with dahlia roots in air baggage from Scotland; in soil with gladiolus corms and lily bulbs in air baggage from Italy; and in soil with plants in air baggage from Canada.

Pratylenchus minyus in roots of oleander plant in baggage from Austria.

Rotylenchus erythrinae (?) in soil with aloe plants in air baggage from Jamaica.

Rotylenchus reniformis in soil with unidentified bulbs in air baggage from Cuba.

Rotylenchus robustus in soil with carnation and primrose plants and tuberosc bulbs in air baggage from England.

Tylenchorhynchus brevidens in soil with primrose plants in air baggage from Ireland.

Other nematodes of possible concern were several species of *Meloidogyne* intercepted from the following countries: Australia, Bahamas, Belgium, Brazil, Canada, Canal Zone, Chile, Costa Rica, Cuba, Dominican Republic, Ecuador, England, France, French West Africa, Germany, Guatemala, Hawaii, India, Jamaica, Japan, Martinique, Mexico, Netherlands, Peru, Thailand, and the Union of South Africa with various plant materials and vegetables.

INCOMPLETELY DETERMINED PESTS

Frequently complete determinations as to species are impossible or impracticable due to the stage or condition of the insects or pathogens on arrival. Some of these pests may be of economic importance, hitherto unreported from the United States, unknown for the host plant, or they may come from a new country of origin. As a matter of record they are included in this separate list but not in the table form.

INSECTS

Among the incompletely determined insects were the following fruit flies:

Anastrepha sp. probably *fraterculus*, at Houston, Tex., in orange in quarters from Brazil; at Jacksonville, Fla., in orange in stores from Brazil; at Miami, Fla., in coffee berry in air baggage from Colombia; at Mobile, Ala., in orange in stores from Brazil;

at New York, N. Y., in orange in air stores from Argentina; and at San Juan, P. R., in sapodilla in air baggage from Brazil.

Anastrepha sp., possibly *ludens*, at Laredo, Tex., in mango and pear in baggage from Mexico; at Miami, Fla., in quince in air baggage from Peru; at New Orleans, La., in orange in baggage and in plum in air baggage from Mexico; at Nogales, Ariz., in orange in baggage from Mexico; and at San Diego, Calif., in orange in air baggage and baggage from Mexico.

Anastrepha sp., possibly *mombinpracoptans*, at Miami, Fla. in mango in air baggage from Cuba; at Norfolk, Va., in mango in baggage from Puerto Rico; at New Orleans, La., in mombin in baggage from Salvador; and at San Pedro, Calif., in yellow mombin in air baggage from Colombia.

Anastrepha sp., probably *serpentina*, at Brownsville, Tex., Del Rio, Tex., El Paso, Tex., and Laredo, Tex., in mamey sapote in baggage from Mexico; at Houston, Tex., in mamey sapote in air baggage from Mexico and in sapodilla in air baggage from Colombia; and at Miami, Fla., in sapodilla in air baggage from Nicaragua.

Anastrepha sp., probably *striata*, at Brownsville, Tex., in guava in air baggage from Colombia and Salvador; at New York, N. Y., in guava in air baggage from the Dominican Republic; at Nogales, Ariz., in guava in baggage from Mexico; and at San Pedro, Calif., in guava in air baggage from Nicaragua.

Anastrepha sp., probably *suspensa*, at Chicago, Ill., in guava in mail from Puerto Rico; at New York, N. Y., in guava in air cargo from Jamaica.

Anastrepha sp. at Baltimore, Md., in orange in stores from Brazil and Peru; at Boston, Mass., in orange in stores from Peru; at Brownsville, Tex., in mango in air baggage from Salvador; in orange and plum in baggage from Mexico; and in star-apple in air baggage from Colombia; at Calexico, Calif., in mango in baggage from Mexico; at Charleston, S. C. in orange in stores from Brazil; at Eagle Pass, Tex., in mamey in baggage from Mexico; at El Paso, Tex., in mamey sapote, sapote, and sweet lime in baggage from Mexico; at Galveston, Tex., in grapefruit in quarters from Brazil and in orange in stores from Argentina and Peru; at Laredo, Tex., in mamey sapote and pear in baggage from Mexico; at Miami, Fla., in guava in air baggage from Salvador; in mamey in air baggage from Mexico; in mango in air baggage from Haiti, Jamaica, and an unknown origin; in mango in air stores from Salvador; and in purple mombin in air baggage from Venezuela; at New Orleans, La., in grapefruit in stores from Jamaica; in guava in mail from Salvador; in mamey sapote in baggage from Guatemala; in purple mombin in air baggage from Guatemala and Mexico; in orange in stores from Argentina and Brazil; in orange in quarters from Brazil; in white sapote in air baggage from Guatemala; and in star-apple in air baggage from Mexico; at New York, N. Y., in *Annona* sp. in air baggage from Brazil; in grapefruit in stores from Argentina; in guava in air baggage from Brazil; in mango in air stores from Colombia; in orange in baggage from Argentina; in sapodilla in air baggage from Colombia and Trinidad; and in sapodilla in mail from Trinidad; at Philadelphia, Pa., in cucurbit in stores from Venezuela; at Port Arthur, Tex., in orange in stores from Peru; at Charlotte Amalie, St. Thomas in grapefruit in stores from Brazil; at San Juan, P. R. in guava in air baggage from Trinidad; in guava in air cargo from the Dominican Republic; in mango in air quarters from Brazil and in air baggage from the Dominican Republic; in nispero in air baggage from Trinidad; and in rose-apple in air baggage from the Dominican Republic; at San Ysidro, Calif., in mango in baggage from Mexico; and at Savannah, Ga., in lemon in stores from Brazil.

Ceratitis sp. at Philadelphia, Pa., in Mandarin orange in stores from Belgian Congo.

Dacus sp. at Honolulu, Hawaii in mango in air baggage from the Philippines and an unknown origin.

Rhagoletis sp., probably *cerasi*, at Boston, Mass., in cherry in air stores from France.

Rhagoletis sp. at Nogales, Ariz., in *Crataegus* sp. in baggage from Mexico; and at Washington, D. C., in rose hips in mail from Iran and Sweden.

An adult *Tephritis* sp. on an airplane leaving Honolulu, Hawaii for the mainland.

Thirty-five interceptions identified to family only, Tephritidae, were intercepted at the following ports: Baltimore, Md., in orange in stores from Brazil; at Boston, Mass., in apple in air baggage from the Azores; in grapefruit in stores from the Union of South Africa; in orange in air stores from Brazil and Spain (?); in peach in cargo from the Union of South Africa; and in pomegranate in air baggage from Greece; at Chicago, Ill., in *Crataegus* sp. in air mail from Germany; in orange in air stores from an unknown origin; at Eagle Pass, Tex., in apple in baggage from Mexico; at El Paso, Tex., in orange in baggage from Mexico; at Galveston, Tex., in vegetable marrow in stores from West Africa; at Hidalgo, Tex., in apple in baggage from Mexico; at Honolulu, Hawaii in coffee berry and in coconut in baggage in preflight inspection of airplanes leaving Hawaii for the mainland; in *Sesbania grandiflora* flower in preflight inspection of mail

leaving Hawaii for the mainland; and in guava in air cargo from the Straits Settlements; at New Orleans, La., in orange in stores from Spain; at New York, N. Y., (pupa) with banana in cargo from Guatemala; in chestnut in baggage from Italy; in European grape in cargo from Argentina; in fig in air baggage from Lebanon; in orange in air stores from the Union of South Africa; and 5 pupae attached to paper in basket of fruit in air baggage from Italy; at Nogales, Ariz., in avocado in baggage from Mexico; and in *Crataegus* sp. in baggage from Mexico; at Port Arthur, Tex., (pupa) on floor of ice box where oranges from Spain had been stored; at San Juan, P. R., in grapefruit in stores from Brazil; at Washington, D. C., (pupae) with *Arnica cordifolia* flower and seed in mail from Canada; in *Ilex mutchagara* berry and in *Meliosma rigida* in mail from Japan; and in rose hips in mail from Sweden.

Other incompletely determined insects worthy of mention were:

Acrolophus sp. (Acrolophidae), presumably a new species, at Nogales, Ariz., with bulbstem yucca in cargo from Mexico.

Aleurocerus sp. (Aleyrodidae), undescribed, at Jacksonville, Fla., on decorative greenery in cargo from Mexico.

An aleyrodid, Aleyrodicinae, a new genus near *Aleurodicus*, at Laredo, Tex., on *Epidendrum mariae* plant in cargo; and on an orchid leaf in baggage from Mexico.

An aleyrodid, *Aleurodicus* sp., a new species near *cocolobae* Q. & B., at Miami, Fla., on baubinia leaf in air baggage from Costa Rica.

Apychomyrmex sp., a rather rare genus of ants, at Honolulu, Hawaii with orchids in air cargo from Costa Rica.

A tortricid, *Archips* sp., at Houston, Tex., in an apple in air baggage from Mexico.

Aspidiotus sp. (Coccidae), an undescribed species, at Hoboken, N. J., on *Odontoglossum pulchellum* leaf in air cargo from England.

Asterolecaniidae, "pretty surely a new genus and species, superficially, closest to *Mycetococcus*; an interesting collection," at Brownsville, Tex., on cycad in cargo from Mexico.

Baris sp., probably *lepidii* Germ., (Curculionidae) at Houston, Tex., in turnip in stores from France.

Baris sp. at New York, N. Y., in horseradish in air cargo from Poland; in horseradish in cargo from Yugoslavia; and in radish in air stores from Sweden.

A blastobasid, new to the National Museum collection, at Nogales, Ariz., with bulbstem yucca in cargo from Mexico.

Blastodacna sp. (Cosmopterygidae) at Washington, D. C., in *Malus* sp. in mail from France.

A curculionid, *Brachycerus* sp., at New York, N. Y., in *Pancratium* sp. bulb in cargo from Turkey.

A curculionid, *Brachyrhinus* sp., at Hoboken, N. J., in soil with miscellaneous bulbs in mail from Switzerland.

Epicaerus sp. (Curculionidae) at Brownsville, Tex., in potatoes in stores from Mexico; at Eagle Pass, Tex., El Paso, Tex., and Hidalgo, Tex., in potatoes in baggage from Mexico; at Galveston, Tex., and Mobile, Ala., in potatoes in stores from Mexico.

"*Eulia*" sp. (Tortricidae) at New York, N. Y., in grape, nectarine, peach, and plum in cargo from Chile.

A scarabaeid, *Euphoria* sp., new to the National Museum collection, at New Orleans, La., on a bale of sisal in cargo from Mexico.

Eusepes sp. (Curculionidae) at Charleston, S. C., and Houston, Tex., in sweetpotato in stores from Brazil; and in sweetpotato at Honolulu, Hawaii in air baggage from Okinawa.

Furcaspis sp. (Coccidae), an undescribed species, at Brownsville, Tex., on *Chamaedorea* sp. leaf in air cargo from Mexico.

Gelechiid, new to the National Museum collection, at Boston, Mass., in pistache seed in air baggage from Italy.

Grapholitha sp., presumably *molesta* (Olethreutidae), at Philadelphia, Pa., in apple in stores from Japan.

Grapholitha sp., near or = *packardi* Zell. (Olethreutidae), at El Paso, Tex., on *Crataegus* sp. in baggage from Mexico.

An olethreutid, *Gymnandrosoma* sp., near or = *aurantianum* Costa Lima, at Laredo, Tex., in mango in baggage from Mexico; at Houston, Tex., in orange in stores from Argentina; and at New Orleans, La., in purple mombin in air baggage from Mexico.

Lema sp., probably *lichenis* Voet. (Chrysomelidae), at Chicago, Ill., with cut asters in air baggage from Germany.

A curculionid, *Lixus* sp. at Philadelphia, Pa., in stores from Egypt and Italy; and at New York, N. Y., in *Cynara* sp. bud in cargo from Italy.

Mediolata sp. (Stigmaeidae), a unique specimen, at Honolulu, Hawaii on Mandarin orange in air stores from Japan.

A chrysomelid, *Omoplatia* sp., new to the National Museum collection, at Galveston, Tex., in banana debris in cargo from Ecuador.

Palaeopus sp. (Curculionidae) at New York, N. Y., in yam in air baggage from British West Indies; and in yam in air cargo from Jamaica.

A coccid, "*Phenacoccus*" sp.—*Phenacoccus* series but not characteristic for the genus and not placed as described—at Hoboken, N. J., on *Ornithogalum* sp. in mail from the Union of South Africa.

Prays sp. (Hyponomeutidae) at Honolulu, Hawaii in *Pelea* sp. in mail leaving Hawaii for the mainland.

A curculionid, *Premnotrypes* sp., at Galveston, Tex., in potato in stores from Peru; and at Mobile, Ala., in potato in stores from Colombia.

Procryptotermes sp. (Kalotermitidae), a new species, at Christiansted, St. Croix in dry tamarind wood in stores from the French West Indies.

Proculitermes sp. (Termitidae) at New York, N. Y., in nest built of mud in air cargo from Belgian Congo.

Pseudococcus sp. (Coccidae), not placed as a described species, was intercepted 41 times at 13 different ports on various plant material from the following countries: Barbados, Brazil, Canal Zone, Canary Islands, Chile, Costa Rica, Ecuador, Guatemala, India, Indo-China, Japan, Mexico, Peru, Philippines, Spain, and Tortola.

Pseudoparlatoria sp. (Coccidae), not placed as any of the described species, at Hoboken, N. J., on anthurium leaf in air cargo from Colombia.

Puto sp. (Coccidae), probably undescribed, at Brownsville, Tex., and at Laredo, Tex., on anthurium and philodendron in cargo from Mexico; and at Miami, Fla., on an orchid leaf in air cargo from Mexico.

A scolytid, *Scolytus* sp., at New York, N. Y., in unidentified wood in cargo from Sweden.

Steatococcus sp. (Coccidae), not placed as one of the described species but a North American relative of *Icerya*, at Nogales, Ariz., on jumping bean in cargo from Mexico.

DISEASES

Incompletely determined pathogens worthy of mention were:

Ascochyta sp. at Washington, D. C., on a leaf of *Araujia* sp. in mail from Portugal.

Cercospora sp., close to *panacis* Thirum. & Chupp, at Honolulu, Hawaii on *Nothopanax* sp. in air stores from the Fiji Islands.

Cercospora sp. at Miami, Fla., on a leaf of *Cassia moschata* in air mail from the Canal Zone; and at Houston, Tex., on *Chamaedorea* sp. fronds in air cargo from Mexico.

Coniothecium sp. at Laredo, Tex., on *Oncidium* sp. in cargo from Mexico; and at Nogales, Ariz., on cactus in cargo from Mexico.

Coniothyriopsis sp. at Nogales, Ariz., on agave and *Lemaireocereus* sp. in baggage from Mexico and organpipe-cactus in cargo from Mexico.

Coniothyrium sp. at Nogales, Ariz., on orchid in mail from Mexico.

Echidnodes sp. at San Francisco, Calif., on *Laelia superbiens* in cargo from Guatemala.

Helminthosporium sp. at Nogales, Ariz., on cantaloupe in cargo from Mexico.

Hendersonia sp. at Honolulu, Hawaii on *Nothopanax* sp. in air stores from the Fiji Islands.

Hysterographium sp., close to *mori* (Schw.) Rehm, on organpipe-cactus in cargo from Mexico.

Isaria sp. at San Antonio, Tex., on *Chamaedorea oblongata* leaf in air cargo from Mexico.

Leptographium sp. at Nogales, Ariz., on guava in baggage from Mexico.

Leptosphaeria sp. at Laredo, Tex., on agave in baggage from Mexico; at New York, N. Y., on a leaf of *Erythrophleum guineense* in air cargo from Gold Coast; at Philadelphia, Pa., on a leaf of Musaceae in air baggage from Denmark; and at San Pedro, Calif., on Jobs-tears in cargo from Japan.

Lophodermium sp. at Brownsville, Texas, on an orchid leaf in cargo from Mexico.

Microstroma sp. at Hoboken, N. J., on *Pelargonium* sp. leaf in mail from France; and at Philadelphia, Pa., on apple in stores from Egypt.

Neohoehtelia sp. at Washington National Airport, Arlington, Va., on tangerine in air stores from Africa.

Ophiostoma sp. at Hoboken, N. J., on gladiolus in mail from Czechoslovakia.

Pestalotia sp. at Laredo, Tex., on mamey in baggage from Mexico; at San Pedro, Calif., on Jobs-tears in cargo from Japan; and at New Orleans, La., on avocado in air baggage from Salvador.

Phyllosticta sp. at Brownsville, Tex., on *Chamaedorea* sp. in baggage from Mexico; at El Paso, Tex., on a sapote leaf in mail from Mexico; at Miami, Fla., on gardenia leaf in quarters from Cuba; and at San Juan, P. R., on agave in air baggage from St. Martin.

Phyllostictina sp. at Honolulu, Hawaii on *Barringtonia speciosa* in air baggage from Kwajalein.

Rhytisma sp. at Washington, D. C., on Japanese azalea in mail from Japan.

Septonema sp., close to *toruloides* Cke. & Ell., at Laredo, Tex., on *Chamaedorea* sp. in cargo from Mexico.

Septoria sp. at Brownsville, Tex., on philodendron in cargo from Mexico; at Laredo, Tex., on avocado in baggage from Mexico; at Nogales, Ariz., on yucca in cargo from Mexico; and at San Pedro, Calif., on an oak leaf in air baggage from Denmark.

Stachybotrys sp., probably *atrata* Cda., at Nogales, Ariz., on cantaloupe in cargo from Mexico.

Uredo sp. at Miami, Fla., on *Tillandsia* sp. leaf in air baggage from Mexico; and on *Trigonidium seemannii* leaf in air mail from the Canal Zone.

Verticillium sp. at Philadelphia, Pa., on a willow twig in quarters from the Netherlands.

Zygosporium sp., probably *oschioides* Mont., at Brownsville, Tex., on *Chamaedorea* sp. leaf in air cargo from Mexico.

NEMATODES

Aphelenchoides sp. at Boston, Mass., with amaryllis bulbs in air baggage from Bermuda; in beet in stores from the Netherlands; in celeriac in stores from Germany; with holly cutting in air baggage from Ireland; in lily-of-the-valley pips in air baggage from England; in oak timber in cargo from England; in onion in air baggage and cargo from Italy; in soil with cactus plant in baggage from Canada; in soil with carrots, parsnips, and potatoes in stores from Argentina; in soil with hydrangea plant in air baggage from Iran; in soil with rosemary plant in air baggage from Italy; and with potatoes in stores from Poland; at Key West, Fla., in soil from an automobile from Cuba; at Miami, Fla., in soil with aloe, croton, and an unknown plant in air baggage from Jamaica; in soil with cactus plants in air baggage from Brazil; in soil with carrots in stores from Germany; and in soil with an unknown plant in air baggage from Panama; at Newport News, Va., in soil with lily bulbs in cargo from Japan; at Nogales, Ariz., with a coleus plant in baggage from Mexico; at Norfolk, Va., in unknown flower bulbs and lily bulbs in cargo from Japan; at Pensacola, Fla., in soil in potato bin in stores from Belgium; and at San Francisco, Calif., with roots of tree peonies in cargo from Japan.

Aphelenchus sp. at Boston, Mass., in soil with cactus plant in baggage from Canada; in soil with carnation plants in air baggage from Greece; in soil with carrots in stores from Australia; in soil with carrots, parsnips, and potatoes in stores from Argentina; with celery in stores from the Union of South Africa; with horseradish in stores from Japan; in soil with onions in cargo from Italy; in soil with peanuts in mail from Barbados; in soil with miscellaneous plants in air baggage from Portugal; in soil with potatoes in stores from Poland; and with tulip bulbs in baggage from the Netherlands; at Key West, Fla., in soil with sansevieria plant in baggage from Cuba; at Miami, Fla., in soil with beadplant in baggage from France; in soil with garlic in stores from Israel and Italy; in soil with iris plants in air baggage from Cuba; in soil with mint plants in air baggage from Cuba; in soil with orchid plants in air baggage from Colombia; and in soil with unknown plants in air baggage from Jamaica and Panama; at New Orleans, La., in soil with an undetermined legume in air baggage from Jamaica; at Pensacola, Fla., in soil with carrots in stores from England; at San Diego, Calif., in gladiolus corm in baggage from Mexico; and at Tampa, Fla., in soil with beets in stores from Germany.

Ditylenchus sp. at Boston, Mass., in soil with cactus plants in baggage from Canada; in soil with carnation and primrose plants and tuberose bulbs in air baggage from England; in soil with oleander plants in air baggage from Ireland; in soil with onions in cargo from Italy; and in soil with unidentified plants in air baggage from Portugal; at Hoboken, N. J., in *Tigridia* sp. bulbs in mail from the Netherlands; at Key West, Fla., in soil from an automobile from Cuba; and at Miami, Fla., in soil with assorted plants in air baggage from Honduras.

Helicotylenchus sp. at Boston, Mass., in soil with hydrangea plants in air baggage from Iran; in soil with unknown plants in baggage from Brazil; at Laredo, Tex., in caladium and philodendron roots in baggage from Mexico; at Miami, Fla., in soil with assorted plants in air baggage from Costa Rica; and in soil with violet roots in air baggage from Costa Rica.

Heterodera sp., possibly *major*, at New York, N. Y., in soil with *Monarda didyma* plants in baggage from England.

Heterodera, new species, at Miami, Fla., in soil with beadplant in baggage from France.

Other members of the genus *Heterodera* were intercepted 360 times at 26 ports from the following countries: Argentina, Azores, Belgium, Brazil, Canada, Canary Islands, Denmark, Egypt, England, France, Germany, Greece, Hong Kong, Hungary, India, Iran, Ireland, Israel, Italy, Japan, Lebanon, Liberia, Malta, Mexico, Morocco, Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Scotland, Spain, Sweden, Switzerland, Union of Soviet Socialist Republics, and Yugoslavia. These interceptions were made from soil samples; soil with new and used automobiles; soil with army vehicles; soil with potatoes in railway car; soil in sweeping from a railway car; soil with bulbs and tubers in baggage, cargo, and mail; soil with plant material in baggage and mail; and in soil with vegetables in cargo and stores.

Hoplotaimus sp. at Laredo, Tex., with roots of Indian rubber tree in cargo from Mexico; and at Boston, Mass., in soil with wallflowers in baggage from Ireland.

Meloidogyne sp., perhaps *javanica*, at Miami, Fla., in soil with assorted plants in air baggage from Honduras.

Meloidogyne sp. at Boston, Mass., with celery in stores from the Union of South Africa; and in soil with plants in air baggage from Greece; at Brownsville, Tex., in root gall on dracaena plant in baggage from Mexico; at Hoboken, N. J., in *Achimenes* spp. tubers in air cargo from the Netherlands; in *Aconitum napellus*, *Ajuga reptans atropurpurea*, and *Anaphalis triplinervis* roots in cargo from the Netherlands; in *Begonia rex* roots in air mail from England; in calla tubers in cargo from Italy; in *Ceanothus* sp. roots in cargo from the Netherlands; in *Caladium candidum* tubers in cargo from Guatemala; in clematis in cargo from the Netherlands; in *Columnnea pilosissima* roots in mail from Scotland; in *Epimedium* sp. roots in cargo from England; in *Genista lydia* roots in air cargo from England; in geranium roots in mail from France; in gerbera roots in air cargo from India; in ginger roots in mail from Peru; in hepatica roots in mail from England; in Japanese iris roots in cargo from Japan; in *Kaempferia rotunda* tubers in mail from the Netherlands; in *Kaempferia* sp. tubers in cargo from India; in passion flower roots in mail from Bermuda; and in roots of roses in mail from France; at Laredo, Tex., in philodendron and spiraea roots in baggage from Mexico; at Miami, Fla., in acacia roots in air mail from Venezuela; in beadplant in baggage from France; and in soil with African violets in air baggage from Ecuador; and at New York, N. Y., in aster roots in quarters from Japan.

Nothotylenchus sp. at Boston, Mass., in soil with hydrangea plant in air baggage from Iran; and at Key West, Fla., in sample of soil from Cuba.

Paratylenchus sp. at Miami, Fla., in soil with celery in stores from Germany; and in soil with sansevieria plant in air baggage from Haiti.

Pratylenchus, new species, at Miami, Fla., in beadplant in baggage from France.

Pratylenchus sp. at Boston, Mass., in dahlia root in air baggage from Italy; in soil with dwarf pine in quarters from Japan; in soil with potatoes in stores from Argentina; at Brownsville, Tex., in soil with a begonia plant in air baggage from Nicaragua; at Hoboken, N. J., in *Helleborus niger maximus* roots in air cargo from the Netherlands; in Japanese iris roots in cargo from Japan; in roots of *Ranunculus acris* Double in mail from Germany; at Laredo, Tex., in begonia tubers in baggage from Mexico; at Miami, Fla., in garlic in stores from Italy; at New York, N. Y., in lily-of-the-valley pips in baggage from Italy; at San Francisco, Calif., in lily-of-the-valley pips in cargo from Denmark and Germany and in mail from Denmark; and at Washington, D. C., in a soil sample in mail from Colombia.

Psilenchus sp. at Boston, Mass., in soil with leek in stores from Egypt.

Rotylenchus, new species, at Key West, Fla., in soil with sansevieria plant in baggage from Cuba; and at Miami, Fla., in soil with celery in stores from France.

Rotylenchus sp. at Boston, Mass., in soil with carnation plants in air baggage from the Azores; in soil with lily-of-the-valley pips in air baggage from England; and in soil with violet plants in air baggage from Italy; at Miami, Fla., in soil with celery in stores from Germany; at New Orleans, La., in soil with legumes in air baggage from Jamaica; and at New York, N. Y., in soil with citrus tree and olive tree in baggage from Italy.

Tylenchorhynchus sp., possibly *clarus* Allen, at Boston, Mass., in soil with celery in stores from Egypt.

Tylenchorhynchus, new species, at Miami, Fla., in soil with roots of an unknown plant in air baggage from Jamaica.

Tylenchorhynchus sp. at Boston, Mass., in soil with carnation and primrose plants and tuberose bulbs in air baggage from England; in soil with carnation plant and in soil with onion sets in air baggage from Italy; at Miami, Fla., in soil with celery in stores from Germany; in soil with garlic in stores from Italy; and in soil with iris plant in air

baggage from Cuba; and at Tampa, Fla., in soil with unidentified bulbs in air baggage from Cuba.

Tylenchus, new species, at Miami, Fla., in soil with violet plants in air baggage from Costa Rica.

Tylenchus sp. at Boston, Mass., in soil on an automobile from England; in soil with azalea, fuchsia, ivy, and tradescantia plants in air baggage from Germany; in soil with carnation plants in air baggage from Italy; in soil with holly cuttings in air baggage from Ireland; and with oak timber in cargo from England; at Key West, Fla., in soil on an automobile from Cuba; and in soil with sansevieria plant in baggage from Cuba; at Miami, Fla., in soil with carrots in stores from Germany; in soil with caladium, lily, mint, and peperomia plants in air baggage from Panama; in soil with copperleaf plant in air baggage from Cuba; and in soil with sansevieria plant in air baggage from Haiti; at New Orleans, La., in soil with undetermined legume in baggage from Jamaica; at New York, N. Y., in soil with citrus and olive trees in baggage from Italy; and at Tampa, Fla., in soil with unidentified bulbs in air baggage from Cuba.

Xiphinema sp., near *index* Thorne & Allen, at Miami, Fla., in soil with carnation plant in air baggage from Cuba.

Xiphinema sp. at Miami, Fla., in soil with codium plant in air baggage from Colombia.

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease
	Number	Number		Number	Number
Africa:			Europe—Continued		
Africa.....	0	1	Spain.....	13	7
Algeria.....	3	0	Sweden.....	13	3
Angola.....	1	0	Switzerland.....	3	42
Cape Verde Islands.....	2	0	Yugoslavia.....	6	0
Egypt.....	11	0	North America:		
French Equatorial Africa.....	1	0	Bermuda.....	9	0
French West Africa.....	2	1	Canada.....	12	9
Liberia.....	1	1	Canal Zone.....	42	5
Libya.....	1	0	Central America:		
Madeira Islands.....	3	0	British Honduras.....	12	5
Morocco.....	40	3	Central America (country ?).....	1	0
Mozambique.....	1	5	Costa Rica.....	21	19
Nigeria.....	1	1	Guatemala.....	32	9
Sierra Leone.....	4	1	Honduras.....	7	5
Tripoli.....	1	0	Nicaragua.....	19	0
Union of South Africa.....	18	57	Panama.....	24	3
			Panama (?).....	1	0
Asia:			Salvador.....	30	7
China.....	4	30	Iceland.....	0	3
Formosa.....	16	1	Mexico.....	581	229
Hong Kong.....	1	28	West Indies:		
India.....	13	8	American Virgin Islands.....	1	0
Indonesia.....	2	1	Anguilla.....	2	0
Iran.....	2	2	Antigua.....	5	1
Iraq.....	6	0	Bahamas.....	10	2
Israel.....	1	2	Barbados.....	1	0
Japan.....	132	150	Cuba.....	50	13
Kuwait.....	1	0	Curacao.....	2	0
Lebanon.....	3	0	Dominican Republic.....	22	6
Macao.....	0	2	Haiti.....	9	2
Pakistan.....	2	1	Jamaica.....	47	5
Palestine.....	0	1	Jost Van Dyke.....	3	0
Straits Settlements.....	4	0	Martinique.....	0	1
Syria.....	1	0	Montserrat.....	1	0
Thailand.....	2	5	Puerto Rico.....	29	12
Turkey.....	0	1	St. Kitts.....	5	1
Australasia:			St. Lucia.....	1	0
Australia.....	7	30	St. Martin.....	1	0
Australia (?).....	1	0	St. Vincent.....	2	0
Guam.....	3	1	Tortola.....	11	0
Hawaii.....	340	4	Trinidad.....	11	0
Kwajalein.....	0	2	South America:		
Marquesas Islands.....	0	1	Argentina.....	5	26
New Guinea.....	1	2	Bolivia.....	0	1
New Zealand.....	0	1	Brazil.....	16	56
Norfolk Island.....	0	10	Brazil (?).....	1	0
Philippines.....	14	3	British Guiana.....	4	0
Philippines (?).....	1	0	Chile.....	14	2
Tahiti.....	3	1	Colombia.....	10	2
Wake Island (?).....	0	1	Ecuador.....	26	24
West Pacific.....	2	0	Netherlands Guiana.....	1	1
Europe:			Peru.....	3	3
Austria.....	2	4	South America (country ?).....		
Azores.....	12	7	Venezuela.....	9	0
Belgium.....	24	8	Total:		
Czechoslovakia.....	0	1	Africa.....	90	69
Denmark.....	4	3	Asia.....	190	232
England.....	51	63	Australasia.....	372	56
England (?).....	0	1	Europe.....	526	319
Europe (?).....	1	0	North America.....	1,004	337
Finland.....	1	0	South America.....	90	115
France.....	46	17	Unknown.....	18	7
Germany.....	43	37	Total.....	2,290	1,135
Gibraltar.....	1	0	Total incompletely determined		
Greece.....	9	4	pests.....	1,494	731
Ireland.....	9	14	Total insect interceptions		
Italy.....	201	31	pests.....	3,784	-----
Netherlands.....	46	38	Total disease interceptions		
Northern Ireland.....	1	1	pests.....	-----	1,866
Norway.....	4	4	Grand total	-----	5,650
Poland.....	1	0			
Portugal.....	14	6			
Scotland.....	21	28			

¹ This total represents only pests of known or potential plant-quarantine importance or certain organisms of scientific importance. The total of all interceptions made during the year was 15,058.

NOTE.—Interceptions were also made from Aruba, Belgian Congo, British West Indies, Burma, Cameroons, Canary Islands, Canton Island, Ceylon, Christmas Island, Fanning Island, Fiji Islands, French West Africa, French West Indies, Ghana, Greenland, Hungary, Indo-China, Java, Johnston Island, Kenya, Korea, Malta, Nepal, Nevis, New Caledonia, Okinawa, Rhodesia, Sumatra, and Union of Soviet Socialist Republics.

Pests collected and reported from July 1, 1956, through June 30, 1957

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Acanthoscelides armitagei</i> (Pic) (Bruchidae):					
<i>Cajanus</i> sp.-----	Panama-----	1	---	---	N. Y.
<i>Pisum sativum</i> (pea)-----	do-----	2	---	---	Fla.
" <i>Acanthoscelides</i> " <i>spinipes</i> (Er.) (Bruchidae):					
Legume-----	Greece-----	---	---	1	N. J.
<i>Aceria macrochelus</i> (Nal.) (Eriophyidae):					
<i>Acer</i> sp. (maple)-----	England-----	---	3	---	Mass.
<i>Acidia heraclei</i> (L.) (?) (Tephritidae):					
<i>Apium graveolens</i> (celery)-----	France-----	---	2	---	Va.
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae):					
<i>Allium porrum</i> (leek)-----	France, Morocco, Spain-----	---	3	---	Pa.
<i>Adelphocoris seticornis</i> (F.) (Miridae):					
<i>Trifolium agrarium</i> (hop clover)-----	Switzerland-----	---	---	1	D. C.
<i>Adoretus sinicus</i> Burm. (Scarabaeidae):					
Flowers-----	Hawaii-----	1	---	---	Hawaii.
<i>Hibiscus</i> sp.-----	do-----	1	---	---	Hawaii.
<i>Phajus</i> sp. (orchid)-----	do-----	1	---	---	Hawaii.
<i>Adoxophyes orana</i> (F. R.) (Tortricidae):					
<i>Syringa</i> sp. (lilac)-----	Netherlands-----	15	---	---	N. Y.
<i>Aganactes indecora</i> Dyar (Galleriidae):					
<i>Cassia fistula</i> (golden-shower)-----	Dominican Republic-----	1	---	---	P. R.
<i>Aglossa cuprealis</i> Hbn. (Pyralidae):					
<i>Allium sativum</i> (garlic)-----	Italy-----	1	---	---	N. Y.
Herbs and plants in soil-----	Portugal-----	---	---	1	N. Y.
<i>Sansevieria</i> sp.-----	do-----	1	---	---	N. Y.
<i>Agroiconota propinqua</i> (Boh.) (Chrysomelidae):					
<i>Ananas comosus</i> (pineapple)-----	Dominican Republic-----	---	---	4	P. R.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae):					
<i>Citrus aurantifolia</i> (sour lime)-----	Mexico-----	2	---	---	Tex.
<i>Citrus</i> sp.-----	Mexico, Nicaragua-----	7	---	---	Tex.
Greens—decorative-----	Mexico-----	1	---	---	Fla.*
Plant—undetermined-----	do-----	---	---	1	Ariz.
<i>Aleuroplatus mammaeferus</i> Q. & B. (Aleyrodidae):					
<i>Codiaeum</i> sp. (croton)-----	Australia (?)-----	1	---	---	Hawaii.
<i>Aleurothrix floccosus</i> (Mask.) (Aleyrodidae):					
<i>Psidium guajava</i> (guava)-----	Mexico-----	1	---	---	Tex.
<i>Aleurotuberculatus aucubae</i> (Kuw.) (Aleyrodidae):					
<i>Citrus aurantium</i> var.-----	Japan-----	---	1	---	Calif.*
<i>Alpheias conspirata</i> Hein. (Galleriidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	3	---	---	Tex.
<i>Anastrepha fraterculus</i> (Wied.) (Tephritidae):					
<i>Prunus persica</i> (peach)-----	Peru-----	1	---	---	Fla.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Casimiroa edulis</i> (white sapote)-----	Mexico-----	3	---	---	N. Y., Tex.
<i>Citrus aurantifolia</i> (sweet lime)-----	do-----	9	---	---	Tex.
<i>Citrus limon ponderosa</i> (ponderosa lemon)-----	do-----	1	---	---	Tex.
<i>Citrus paradisi</i> (grapefruit)-----	British Honduras, Mexico-----	15	3	---	Fla.*, Tex.
<i>Citrus reticulata</i> (Mandarin orange)-----	Mexico-----	1	---	---	Tex.
<i>Citrus sinensis</i> (orange)-----	Guatemala, Mexico-----	128	8	---	Ariz., Calif., Calif.*, La., Tex.
<i>Cydonia oblonga</i> (quince)-----	Mexico-----	4	---	---	Tex.
<i>Malus sylvestris</i> (apple)-----	do-----	2	---	---	Tex.
<i>Mangifera indica</i> (mango)-----	Guatemala, Mexico-----	70	1	---	Ariz., Calif., Calif.*, La., Tex.
<i>Prunus persica</i> (peach)-----	Mexico-----	1	---	---	Tex.
<i>Pyrus communis</i> (pear)-----	do-----	9	---	---	Tex.
<i>Anastrepha ludens</i> (Loew) (?) (Tephritidae):					
<i>Calocarpum sapota</i> (mamey sapote)-----	do-----	1	---	---	Tex.
<i>Mangifera indica</i> (mango)-----	do-----	1	---	---	Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Tephritidae):					
<i>Eugenia floribunda</i> (guava berry)-----	Tortola-----	2	---	---	St. Croix, St. Thomas & St. John

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Mangifera indica</i> (mango)-----	Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, Salvador, Tortola, Trinidad, unknown.	121	6	---	Ala., Calif., Calif.*, Fla., Fla.*, Ga., La., N. Y., P. R., St. Croix, St. Thomas & St. John, Tex., Va.
<i>Psidium guajava</i> (guava)-----	Cuba, Guatemala, Mexico, Tortola.	8	---	---	Calif.*, Fla.*, St. Thomas & St. John, Tex.
<i>Spondias mombin</i> (yellow mombin)-----	Central America, Dominican Republic, Guatemala, Nicaragua, St. Martin, Salvador.	18	---	---	Calif.*, La., P. R. Tex.
<i>Spondias purpurea</i> (purple mombin)-----	Guatemala, Mexico, Nicaragua.	7	---	---	La., Tex.
<i>Spondias</i> sp. (mombin)-----	British Honduras, Guatemala, Salvador, Dominican Republic.	6	---	---	La., Tex.
<i>Terminatia catappa</i> (bitter-almond)			1	---	Pa.
<i>Anastrepha mombinpraeoptans</i> Sein (?) (Tephritidae):					
<i>Mangifera indica</i> (mango)-----	Ecuador, Venezuela-----	1	1	---	La., Pa.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae):	Nicaragua-----	1	---	---	Calif.*
<i>Achras zapota</i> (sapodilla)-----	Colombia, Mexico, Nicaragua.	4	2	---	Calif.*, La., Tex.
<i>Calocarpum sapota</i> (mamey sapote)-----	Mexico-----	1	---	---	Calif.*
<i>Mammea americana</i> (mamey)					
<i>Anastrepha striata</i> Schin. (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Guatemala, Mexico, Puerto Rico, Salvador.	5	---	---	Ariz., Ill., La., Tex.
<i>Anastrepha suspensa</i> (Loew) (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Jamaica, Puerto Rico-----	8	---	---	N. Y., P. R.
<i>Ancylostoma stercora</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Bahamas, Dominican Republic, Haiti, Jamaica, Jost Van Dyke, Panama, St. Kitts, Tortola, Trinidad.	18	1	---	Fla.*, N. Y., P. R., St. Thomas & St. John.
<i>Pisum sativum</i> (pea)-----	Jamaica, Panama, Puerto Rico.	4	---	---	Fla.*, Ill.
<i>Antispila rivillei</i> (Stt.) (?) (Heliozelidae):					
<i>Vitis</i> sp. (grape)-----	Italy-----	1	---	---	Mass.
<i>Anuraphis cardui</i> (L.) (Aphidae):					
<i>Chrysanthemum</i> sp.-----	England-----	---	1	---	N. J. La.
<i>Cynara scolymus</i> (globe artichoke)-----	Algeria-----	---	1	---	Pa.
<i>Anuraphis tulipae</i> (Fonse.) (Aphidae):					
<i>Apium graveolens</i> (celery)-----	Egypt-----	---	1	---	D. C.
<i>Iris subbiflora</i> (Portugal iris)-----	Portugal-----	---	---	2	N. J.
<i>Iris</i> sp.-----	England-----	---	---	1	N. J.
<i>Tigridia lutea immaculata</i>	Netherlands-----	---	1	1	Tex.
<i>Tulipa</i> sp. (tulip)-----	do-----	---	1	1	
<i>Araceus leipennis</i> Jord. (Anthribidae):					
<i>Leucaena glauca</i>	Hawaii-----	11	---	---	Hawaii.
<i>Arctothezia cataphracta</i> (Olaf.) (Coccidae):					
<i>Erica</i> sp. (heath)-----	Scotland-----	1	---	---	Mass.
Forest litter	do-----	---	---	1	Wash.
<i>Ardis sulcata</i> (Cam.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose)-----	Germany-----	---	1	---	Pa.
<i>Arge ochropa</i> Gmel. (Argidae):					
<i>Rosa</i> sp. (rose)-----	do-----	1	---	---	Ill.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Argina cribraria</i> (Clerck) (Aretiidae):					
Passenger's quarters	Unknown		1		Hawaii.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae):					
<i>Malus sylvestris</i> (apple)	Norway	1			N. Y.
<i>Sorbus aucuparia</i> (European mountain ash)	do	1			N. Y.
<i>Arion circumscriptus</i> Johnston (Mollusca):					
Bulb	Austria			1	N. Y.
<i>Lactuca sativa</i> (lettuce)	Unknown		1		N. Y.
<i>Artipus griseus</i> Chev. (Curculionidae):					
Orchid	Jamaica	1			Fla.*
<i>Aspidiotus australiensis</i> Kuw. (Coccidae):					
<i>Dendrobium undulatum</i> (orchid)	Australia			1	Hawaii.
<i>Dendrobium</i> sp.	do			2	Hawaii.
<i>Aspidiotus degeneratus</i> (Leon) (Coccidae):					
<i>Camellia sasanqua</i> (sasanqua tea)	Japan			1	D. C.
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Cuba, Mexico, Philippines.	4	1		Calif.*, Fla.*, Tex.
<i>Nipa fruticans</i> (Nipa palm)	Tahiti			1	Hawaii.
<i>Persea americana</i> (avocado)	Cuba, Mexico	1	1		Fla.*, Calif.*
<i>Prunus amygdalus</i> (almond)	Bahamas	1			Fla.*
<i>Aspidiotus diffinis</i> Newst. (Coccidae):					
<i>Amherstia nobilis</i> (flame amherstia)	Jamaica			1	D. C.
<i>Asterobemisia carpini</i> (Koch) (Aleyrodidae):					
<i>Rubus</i> sp.	France		7		Ill., Mass.
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae):					
<i>Epidendrum</i> sp. (orchid)	Brazil, Mexico	1		1	Calif.*
Orchid	Jamaica			1	Fla.
<i>Asterolecanium milaris robustum</i> Green (Coccidae):					
Bamboo	Antigua	1			Mass.
<i>Asterolecanium petrophilae</i> (Fuller) (Coccidae):					
<i>Conospermum triplinervium</i> (smokebush)	Australia			1	Fla.*
<i>Aufesius impressicollis</i> Stal (Coreidae):					
Cactus	Mexico			1	Tex.
<i>Aulacaspis mangiferae</i> (Newst.) (Coccidae):					
<i>Mangifera indica</i> (mango)	Panama	1			Fla.*
<i>Bephrata maculicollis</i> Cam. (Eurytomidae):					
<i>Annona muricata</i> (soursop)	Venezuela	1			P. R.
<i>Blastophagus piniperda</i> (L.) (Scolytidae):					
<i>Abies</i> sp. (fir)	England	1			S. C.
<i>Pinus</i> sp. (pine)	do	1			N. Y.
<i>Blissus leucopterus</i> (Say) (Lygaeidae):					
<i>Solanum melongena</i> (eggplant)	Mexico	3			Ariz.
<i>Blissus leucopterus insularis</i> Barber (Lygaeidae):					
<i>Ananas comosus</i> (pineapple)	Dominican Republic			1	P. R.
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Tex.
<i>Bouhelia maroccana</i> Bal. (Coccidae):					
<i>Muscari comosum</i> (cipollino)	Morocco	3			N. Y.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae):					
<i>Allium sativum</i> (garlic)	Italy	1	1		Mass., Tex.
<i>Brachycerus algitrus</i> (F.) (Curculionidae):					
<i>Allium sativum</i> (garlic)	Italy, Spain	2	1		Mass., N. Y., Tex.
<i>Brachyrhinus otatus</i> (L.) (Curculionidae):					
Soil with mixed plants	Canada	1			N. Y.
<i>Bradybaena similaris</i> (Fer.) (Mollusca):					
<i>Alpinia purpurata</i>	Hawaii	1			Hawaii.
<i>Anthurium</i> sp.	do	4			Hawaii.
<i>Colocasia</i> sp.	do	1			Hawaii.
<i>Cordyline terminalis</i> (ti)	do	7			Hawaii.
<i>Dieffenbachia</i> sp.	do	1			Hawaii.
<i>Lilium</i> sp. (lily)	Bermuda	1			N. Y.
<i>Operculina tuberosa</i> (wood-rose)	Hawaii	1			Hawaii.
<i>Strelitzia reginae</i> (bird-of-paradise-flower)	do	1			Hawaii.
<i>Vanda joaquimiae</i> (orchid)	do	3			Hawaii.

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<i>Bradybaena similis</i> (Fer.) (Mollusca):—Con.					
<i>Vanda</i> sp.-----	do-----	78			Hawaii.
<i>Vanda</i> sp., <i>Anthurium</i> sp., & <i>Dracaena</i> sp.-----	do-----	18			Hawaii.
<i>Brevipalpus inornatus</i> (Baks) (Tenuipalpidae):					
<i>Camellia sinensis</i> (tea)-----	Japan-----			2	D. C.
<i>Myoporum laetum</i> -----	Italy-----			1	D. C.
<i>Rhododendron</i> sp.-----	Japan-----			1	D. C.
<i>Brevipalpus oncidii</i> Baker (Tenuipalpidae):					
<i>Oncidium phalaenopsis</i> (orchid)-----	Ecuador-----			1	Fla.
<i>Brevipalpus phoenicis</i> (Geijskes) (Tenuipalpidae):					
<i>Ananas comosus</i> (pineapple)-----	Dominican Republic-----			1	P. R.
<i>Brithys pancratii</i> (Cyr.) (Noctuidae):					
<i>Hymenocallis</i> sp.-----	France-----			1	D. C.
<i>Bruchophagus coluteae</i> (Boucek) (Eurytomidae):					
<i>Colutea arborescens</i> -----	Italy-----			1	N. J.
<i>Bruchophagus ononis</i> (Mayr) (?) (Eurytomidae):					
<i>Ononis pubescens</i> -----	Israel-----			1	D. C.
<i>Bruchus erei</i> Froh. (Bruchidae):					
<i>Lens culinaris</i> (lentil)-----	Lebanon-----	1			N. Y.
<i>Bruchus lentis</i> Froh. (Bruchidae):					
<i>Lens culinaris</i> (lentil)-----	Egypt-----		1		N. Y.
<i>Bruchus luteicornis</i> Ill. (Bruchidae):					
<i>Vicia sativa</i> (vetch)-----	France, Portugal-----	2			Ala., Mass.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lens culinaris</i> (lentil)-----	Italy-----	1			N. Y.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
<i>Vicia faba</i> (broadbean)-----	do-----	1			N. Y.
<i>Bryobia cristata</i> (Duges) (Tetranychidae):					
<i>Rosa</i> sp. (rose)-----	Japan-----	1			Hawaii.
<i>Bryobia sarothamni</i> Geijskes (Tetranychidae):					
<i>Cytisus multiflorus</i> (white Spanish broom)-----	Portugal-----			1	D. C.
<i>Cactophagus validirostris</i> (Gyll.) (Cureulionidae):					
<i>Monstera deliciosa</i> -----	Mexico-----			1	Tex.
<i>Calligrapha diversa</i> Stal (Chrysomelidae):					
Orchid-----	do-----			1	Tex.
<i>Tillandsia</i> sp.-----	do-----			1	Tex.
<i>Callosobruchus phaseoli</i> (Gyll.) (Bruchidae):					
Bean-----	Japan-----	1			Hawaii.
<i>Cajanus cajan</i> (pigeonpea)-----	Trinidad-----	1			N. Y.
<i>Phaseolus aureus</i> (mung bean)-----	Japan-----		1		N. Y.
<i>Capaneus tetricus</i> Stal (Coreidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Carbula litigatrix</i> Kirk. (Pentatomidae):					
<i>Vitis</i> sp. (grape)-----	Union of South Africa-----	1			N. Y.
<i>Carposina sasakii</i> Mats. (Carposinidae):					
<i>Malus sylvestris</i> (apple)-----	Japan-----	1	5		Hawaii, Oreg., Wash.
<i>Caryedon fuscus</i> (Goeze) (Bruchidae):					
<i>Cassia nodosa</i> -----	Hawaii-----	3		1	Hawaii.
<i>Tamarindus indica</i> (tamarind)-----	Philippines, St. Thomas-----	2			Hawaii, P. R.
<i>Caryedon fuscus</i> Goeze (?) (Bruchidae):					
<i>Arachis hypogaea</i> (peanut)-----	Cape Verde Islands-----	1			Mass.
<i>Tamarindus indica</i> (tamarind)-----	do-----	1			Mass.
<i>Caulophilus latinasus</i> (Say) (Cureulionidae):					
<i>Chamaedorea</i> sp.-----	Mexico-----	1			Tex.
<i>Orbignya cohune</i> (palm)-----	do-----			1	Tex.
<i>Cephaloleia atriceps</i> Pic (Chrysomelidae):					
Orchid-----	do-----			2	Tex.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae):					
<i>Annona cherimola</i> (cherimoya)-----	South America-----	1			Fla.*
<i>Citrus limon</i> (lemon)-----	Italy-----		1		Pa.
<i>Citrus paradisi</i> (grapefruit)-----	Argentina, Bermuda, Israel, Italy-----	1	3		Mass., N. Y., Pa., Tex.
<i>Citrus reticulata</i> (Mandarin orange)-----	Algeria, Italy, Spain-----	1	3		Md., N. Y.

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<i>Ceratitis capitata</i> (Wied.) (Tephritidae):—Con.					
<i>Citrus sinensis</i> (orange)-----	Azores, Brazil, Egypt, France, Iraq, Italy, unknown.	1	7		Mass., N. Y., Pa., S. C., Tex.
<i>Coffea</i> sp. (coffee)-----	Hawaii-----	7			Calif.* Hawaii.
<i>Crataegus</i> sp.-----	Italy-----	1			N. Y.
<i>Diospyros</i> sp. (persimmon)-----	do-----	1			N. Y.
<i>Eriobotrya japonica</i> (loquat)-----	do-----	1			N. Y.
<i>Ficus carica</i> (fig)-----	do-----	1			N. Y.
<i>Opuntia humifusa</i> (pricklypear)-----	Greece, Italy-----	5			N. Y.
<i>Persea americana</i> (avocado)-----	Hawaii-----	1			Hawaii
<i>Prunus armeniaca</i> (apricot)-----	France-----		3		Mass.
<i>Prunus domestica</i> (plum)-----	Germany, Italy-----	2			N. Y.
<i>Prunus persica</i> (peach)-----	Argentina, Azores, Italy, Union of South Africa.	3	2		N. Y., Tex.
<i>Prunus</i> sp. (cherry)-----	Italy-----	1			N. Y.
<i>Pyrus communis</i> (pear)-----	Italy, unknown-----	4	1		Mass., N. Y.
<i>Vitis</i> sp. (grape)-----	Union of South Africa-----	1			N. Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Citrus sinensis</i> (orange)-----	Brazil, Gibraltar, Israel(?), Madeira Islands.	1	4		La., Md., Mass., Tex.
<i>Coffea arabica</i> (Arabian coffee)-----	Hawaii-----	1			Hawaii.
<i>Coffea</i> sp. (coffee)-----	do-----	3			Hawaii.
<i>Psidium guajava</i> (guava)-----	Azores-----	1			Mass.
<i>Punica granatum</i> (pomegranate)-----	Italy-----	1			N. Y.
<i>Cerconota anonella</i> (Sepp) (Stenomidae):					
<i>Annona muricata</i> (sour-sop)-----	Honduras, Panama-----	2			Fla.* La.
<i>Annona squamosa</i> (sweet-sop)-----	Panama-----	1			Fla.*
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Alyxia olivaeformis</i> (maile)-----	Hawaii-----	10			Hawaii.
<i>Anthurium</i> sp.-----	do-----	2		1	Hawaii.
<i>Dieffenbachia</i> sp.-----	do-----			1	Hawaii.
<i>Gardenia</i> sp.-----	Japan-----			1	Calif.*
<i>Ceroplastes rusci</i> (L.) (Coccidae):					
<i>Ficus carica</i> (fig.)-----	Italy-----	1			Mass.
<i>Ceutorhynchus erysimi</i> (F.) (Curculionidae):					
<i>Raphanus sativus</i> (radish)-----	Algeria-----		1		Tex.
<i>Ceutorhynchus pleurostigma</i> Marsh. (Curculionidae):					
<i>Brassica napobrassica</i> (rutabaga)-----	Belgium-----		1		Tex.
<i>Chaetococcus bambusae</i> (Mask.) (Coccidae):					
Bamboo-----	China-----	1			Hawaii.
<i>Chalcodermus aeneus</i> Boh. (Curculionidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Bahamas, Canal Zone, Jost Van Dyke.	3			Fla.* Ill., St. Thomas & St. John.
<i>Chalepus omoger</i> Cr. (Chrysomelidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Chelymophra varians</i> Blanch. (Chrysomelidae):					
<i>Vitis</i> sp. (grape)-----	Chile-----	1			N. Y.
<i>Chelysoma variabilis</i> (H.-S.) (Pentatomidae):					
In baggage-----	Costa Rica-----	1			Tex.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)-----	Mexico-----	16			Ariz., Calif.*
<i>Zea mays</i> (corn)-----	do-----	6			Ariz.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice)-----	Japan, Spain-----	2	5		Calif.* Mass., N. Y.
<i>Chrysomphalus bifasciculatus</i> Ferris (Coccidae):					
<i>Citrus reticulata</i> (Mandarin orange)-----	Japan-----		2		Calif.*
<i>Citrus sinensis</i> (orange)-----	do-----		1		Calif.*

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<i>Chrysomphalus bifasciculatus</i> Ferris (Coccidae):					
—Continued					
<i>Osmanthus</i> sp.-----	do-----			1	D. C.
Palm-----	do-----		2		Calif.*, Pa.
<i>Chrysomphalus nigropunctatus</i> (Ckll.) (Coccidae):					
<i>Sedum oxypetalum</i> -----	Mexico-----			1	Tex.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Citrus limon</i> (lemon)-----	Brazil-----		1		Calif.*
<i>Citrus sinensis</i> (orange)-----	do-----		2		Calif.*, Fla.
<i>Chrysomphalus sphaerioides</i> (Ckll.) (Coccidae):					
<i>Chamaedorea</i> sp.-----	Mexico-----			2	Tex.
<i>Philodendron</i> sp.-----	do-----			1	Tex.
<i>Cladius isomerus</i> Nort. (Tenthredinidae):					
<i>Rosa</i> sp. (rose)-----	Canada-----			1	Wash.
<i>Cladius pectinicornis</i> (Fourc.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose)-----	Denmark-----	1			Calif.*
<i>Cletus caffer</i> Stal (Coreidae):					
<i>Vitis</i> sp. (grape)-----	Union of South Africa-----	2			N. Y.
<i>Cletus ochraceus</i> (H.-S.) (Coreidae):					
<i>Vitis</i> sp. (grape)-----	do-----	2			N. Y.
<i>Cligens delineata</i> (Dist.) (Lygacidae):					
Orchid-----	Mexico-----			1	Tex.
<i>Coccotrypes carpophagus</i> (Hornig.) (Scolytidae):					
<i>Chrysalidocarpus lutescens</i> -----	Hawaii-----			1	Hawaii.
<i>Coccus acutissimus</i> (Green) (Coccidae):					
<i>Litchi chinensis</i> (lychee)-----	do-----			1	Hawaii.
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Alpinia purpurata</i> -----	Hawaii-----	1			Hawaii.
<i>Citrus aurantiifolia</i> (lime)-----	Philippines-----		1		Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	Cuba, Hawaii-----	12		1	Fla.*,
Herbaceous leaf-----	Cuba-----	1			Fla.*
Leaf—unknown-----	Colombia-----			1	Fla.*
<i>Plumeria</i> sp.-----	Hawaii-----	1		1	Calif.*, Hawaii.
<i>Colonertus nigrirostris</i> Solari (Curculionidae):					
<i>Chamaedorea</i> sp.-----	Mexico-----	1			Tex.
<i>Conoderus rufangulus</i> (Gyll.) (Elatерidae):					
<i>Vitis</i> sp. (grape)-----	Chile-----	1			N. Y.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae):					
<i>Plumeria</i> sp.-----	Hawaii-----	2			Hawaii.
<i>Vanda joaquimiae</i> (orchid)-----	do-----	1			Hawaii.
<i>Vanda</i> sp.-----	do-----	2			Hawaii.
<i>Conotrachelus aguacatae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado)-----	Mexico-----	25			Tex.
<i>Coptotermes formosanus</i> Shiraki (Rhinotermitidae):					
<i>Gossypium</i> sp. (cotton)-----	Japan-----	1			Hawaii.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana)-----	Mexico-----			1	Tex.
<i>Cossus cossus</i> (L.) (Cossidae):					
Wood-----	England-----			1	N. Y.
<i>Crambus ligonellus</i> Zell. (Crambidae):					
Airplane-----	Puerto Rico-----		1		P. R.
<i>Cryphula apicalis</i> (Dist.) (Lygaeidae):					
Bromeliad-----	Mexico-----			1	Tex.
<i>Cryphula fasciatus</i> (Dist.) (Lygaeidae):					
<i>Epidendrum stenopetalum</i> (orchid)-----	Canal Zone-----			1	Hawaii.
<i>Cryptolabes gnidiella</i> (Mill.) (Phycitidae):					
<i>Punica granatum</i> (pomegranate)-----	Israel, Italy, Libya-----	6			N. Y., Pa.
<i>Cryptophlebia illepidia</i> (Btlr.) (Olethreutidae):					
<i>Macadamia</i> sp.-----	Hawaii-----	1			Hawaii.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Wood-----	Cuba-----	1			N. Y.
<i>Cryptotermes cavifrons</i> Banks (Kalotermitidae):					
Wood-----	do-----	1			N. Y.
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea sativa</i> (European chestnut)-----	Italy-----	1			N. Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Curculio elephas</i> (Gyll.) (Curculionidae):—Con. <i>Castanea</i> sp. (chestnut)-----	Azores, England, France, Italy, Por- tugal, Spain.	43	---	1	Fla.* Ill., Mass., Mich., N. J., N. Y.
<i>Quercus</i> sp. (oak)-----	Greece, Spain-----	1	---	1	N. Y.
<i>Curculio nucum</i> L. (Curculionidae): <i>Corylus</i> sp. (hazelnut)-----	Italy-----	1	---	---	Ill.
<i>Curculio q-griseae</i> Chttm. (Curculionidae): <i>Quercus</i> sp. (oak)-----	Mexico-----	1	---	---	Tex.
<i>Cylas formicarius</i> (F.) ssp. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)-----	Philippines, Thailand--	2	---	---	Hawaii.
<i>Cylas formicarius</i> F. var. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)-----	Philippines-----	1	---	---	Calif.*
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)-----	Anguilla, Bahamas, Cuba, Dominican Republic, Haiti, Mexico, Puerto Rico.	11	7	---	Fla.* La., Md., Mass., N. Y., Pa., P. R., St. Croix, Tex.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)-----	China-----	1	---	---	Hawaii.
<i>Cylas puncticollis</i> Boh. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)-----	Sierra Leone-----	---	3	---	Pa., Va.
<i>Dacus ciliatus</i> Loew (?) (Tephritidae): <i>Cucurbita maxima</i> (squash)-----	French West Africa-----	---	1	---	Pa.
<i>Dacus cucurbitae</i> Coq. (Tephritidae): <i>Capsicum frutescens grossum</i> (bell pepper)-----	Hawaii-----	---	1	---	Calif.*
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	---	10	---	Calif.* Wash.
<i>Dacus cucurbitae</i> Coq. (?) (Tephritidae): <i>Cucumis sativus</i> (cucumber)-----	do-----	---	4	---	Calif.*
<i>Dacus dorsalis</i> Hend. (Tephritidae): <i>Actinophloeus macarthuri</i> (palm)-----	do-----	1	---	---	Hawaii.
Airplane-----	Guam-----	---	1	---	Hawaii.
<i>Coffea</i> sp. (coffee)-----	Hawaii-----	5	---	---	Hawaii.
<i>Eugenia malaccensis</i> (Malay-apple)-----	do-----	2	---	---	Calif.* Hawaii.
<i>Mangifera indica</i> (mango)-----	do-----	1	---	---	Calif.* Hawaii.
In parcel containing orchid and anthurium flowers-----	do-----	1	---	---	Hawaii.
<i>Psidium guajava</i> (guava)-----	do-----	1	---	---	Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae): <i>Calophyllum inophyllum</i> -----	do-----	1	---	---	Hawaii.
<i>Coffea arabica</i> (Arabian coffee)-----	do-----	2	---	---	Hawaii.
<i>Coffea</i> sp. (coffee)-----	do-----	1	---	---	Hawaii.
<i>Ficus</i> sp. (fig)-----	do-----	1	---	---	Hawaii.
<i>Dacus oleae</i> Gmel. (Tephritidae): <i>Olea europaea</i> (olive)-----	Greece, Italy, Lebanon	11	2	---	Mass., Mich., N. Y., Va.
<i>Dendrobiella aspera</i> (LeC.) (Bostrichidae): On box of tomatoes-----	Mexico-----	1	---	---	Ariz.
<i>Prosopis</i> sp. (mesquite)-----	do-----	1	---	---	Calif.
<i>Deroceras reticulatum</i> (Muller) (Mollusca): <i>Allium porrum</i> (leek)-----	Denmark-----	---	1	---	Pa.
<i>Apium graveolens</i> (celery)-----	Belgium, Netherlands--	---	2	---	Pa.
<i>Brassica oleracea botrytis</i> (cauliflower)-----	Germany, Italy, Netherlands.	---	4	---	Pa.
<i>Brassica oleracea bullata</i> (savoy cabbage)-----	England-----	---	2	---	Pa.
<i>Brassica oleracea capitata</i> (cabbage)-----	Brazil, Netherlands--	1	2	---	N. Y., Pa., Tex.
<i>Catasetum</i> sp. (orchid)-----	Costa Rica-----	---	1	---	Fla.
<i>Cichorium intybus</i> (escarole)-----	France-----	---	1	---	N. Y.
<i>Cordylone terminalis</i> (ti)-----	Hawaii-----	3	---	---	Hawaii.
<i>Cucumis sativus</i> (cucumber)-----	France-----	---	1	---	P. R.

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<i>Deroceas reticulatum</i> (Muller) (Mollusca): —Continued					
<i>Daucus carota</i> (carrot)-----	do-----		1		St. Thomas & St. John Fla.
<i>Epidendrum ciliare</i> (orchid)-----	Guatemala-----			1	Mass.
Flowers-----	England-----	1			Wash.
<i>Fragaria</i> sp. (strawberry)-----	Canada-----			1	Mass., N. Y., Pa., Tex.
<i>Lactuca sativa</i> (lettuce)-----	Belgium, Brazil, England, France, Netherlands-----		6		
<i>Lactuca sativa longifolia</i> (romaine lettuce)-----	Portugal-----		1		Mass.
<i>Lilium candidum</i> (Madonna lily)-----	France-----			1	N. Y.
<i>Lycaste</i> sp. (orchid)-----	Mexico-----			1	Fla.
Orchid-----	Canal Zone, Costa Rica, Guatemala, Mexico-----			5	Hawaii.
<i>Philodendron</i> sp.-----	Mexico-----			1	Tex.
<i>Rhododendron</i> sp.-----	Austria-----			1	N. Y.
<i>Rosa</i> sp. (rose)-----	Germany, Ireland-----		2		N. J., N. Y.
Soil with azaleas-----	Japan-----			1	Hawaii.
Soil with lily bulbs-----	Canada-----			1	Wash.
Succulent-----	Bermuda-----	1			N. Y.
<i>Vanda</i> sp. (orchid)-----	Hawaii-----	3			Hawaii.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron catawbiense</i> -----	Germany-----			1	N. J.
<i>Rhododendron</i> sp.-----	Netherlands-----			2	N. J.
<i>Dialeurodes citri</i> (Ashm.) (Aleyrodidae):					
<i>Citrus sinensis</i> (orange)-----	Japan, Mexico-----	1	2		Calif.*, Tex.
<i>Forsythia suspensa</i> (weeping forsythia)-----	Japan-----			1	Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	do-----			1	Calif.*
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia augusta</i> (gardenia)-----	Tahiti-----			1	Fla.
<i>Jasminum</i> sp.-----	Hawaii-----	1			Hawaii.
<i>Diaphania indica</i> (Saund.) (Pyraustidae):					
Airplane-----	Guam-----		1		Hawaii.
<i>Dichocrocis punctiferatis</i> (Guen.) (Pyraustidae):					
<i>Pinus pentaphylla</i> -----	Japan-----			1	D. C.
<i>Dinoderus bifoveolatus</i> (Woll.) (Bostrichidae):					
<i>Lonchocarpus</i> sp. (cube root)-----	Peru-----	1			N. Y.
<i>Diocalandra tailensis</i> (Guer.) (Curculionidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----	1			Hawaii.
<i>Diorymerellus laevimargo</i> Champ. (Curculionidae):					
Orchid-----	Mexico-----			2	Tex.
<i>Dryocoetes villosus</i> (F.) (Scolytidae):					
<i>Quercus</i> sp. (oak)-----	England-----	1			Mass.
<i>Dysdercus mimus</i> (Say) (Pyrrhocoridae):					
<i>Citrus aurantifolia</i> (lime)-----	Mexico-----	1			Tex.
<i>Dyspessa ulula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic)-----	Italy, Spain-----	28			Ariz., La. Md., N. Y., P. R., Tex.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Cydonia oblonga</i> (quince)-----	Italy-----	1			Italy
<i>Delonix regia</i> (royal poinciana)-----	Hawaii-----	1			Hawaii.
<i>Juglans regia</i> (English walnut)-----	Italy-----	1			N. Y.
<i>Malus sylvestris</i> (apple)-----	Greece-----	1			N. Y.
<i>Prunus persica</i> (peach)-----	Italy-----		1		N. Y.
<i>Punica granatum</i> (pomegranate)-----	Greece-----	1			N. Y.
<i>Tamarindus indica</i> (tamarind)-----	Philippines-----	1			Hawaii.
<i>Ectomyelois ceratoniae</i> (Zell.) (?) (Phycitidae):					
<i>Ceratonia siliqua</i> (carob)-----	Italy-----	1			N. Y.
<i>Prunus amygdalus</i> (almond)-----	do-----	1			N. Y.
<i>Ectomyelois muricis</i> (Dyar) (Phycitidae):					
<i>Enterolobium</i> sp.-----	Jamaica, Mexico-----	1		1	D. C., La.
<i>Endelomyia aethiops</i> (F.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose)-----	Canada-----			1	Wash.

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<i>Epicaerus cognatus</i> Sharp (Curculionidae):					
<i>Solanum tuberosum</i> (potato)	Mexico		2		Ala., Pa.
<i>Epichorista ionephela</i> Meyr. (Tortricidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	4			N. Y.
<i>Epichorista ionephela</i> Meyr. (?) (Tortricidae):					
<i>Ornithogalum</i> sp.	do	1			N. J.
<i>Epilachna mexicana</i> (Guer.) (Coccinellidae):					
Orchid	Mexico			1	Ariz.
<i>Epilachna paenulata</i> (Germ.) (Coccinellidae):					
<i>Musa paradisiaca sapientum</i> (banana)	Ecuador	4			La., Pa.
<i>Epilachna paenulata</i> (Germ.) var. (Coccinellidae):					
<i>Musa paradisiaca sapientum</i> (banana)	do	1			La.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Capsicum frutescens grossum</i> (bell pepper)	Mexico	1			Ariz.
<i>Phaseolus vulgaris</i> var. (string bean)	Argentina, Mexico	7			P. R., Tex.
<i>Ereunetis flavistriata</i> Wlsm. (Tineidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii	5			Hawaii.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Burus semperitrens aureo-variegata</i>	England			1	N. J.
<i>Burus semperitrens prostrata</i>	do			1	N. J.
<i>Burus</i> sp.	do		1		Mass.
<i>Ernobius mollis</i> (L.) (Anobiidae):					
Bark	Sweden	1			N. Y.
<i>Pinus</i> sp.	Denmark, France, Germany, Sweden.	5			N. Y., S. C.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
Leaf	Cuba	1			Fla.*
<i>Eutheola bidentata</i> (Burm.) (Scarabaeidae):					
<i>Ananas comosus</i> (pineapple)	Mexico	4			Tex.
<i>Eulia auraria</i> Clarke (?) (Tortricidae):					
<i>Prunus persica</i> (peach)	Chile	1			N. Y.
<i>Prunus persica nectarina</i> (nectarine)	do	1			N. Y.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Epidendrum</i> sp. (orchid)	Mexico			1	Tex.
<i>Euseopes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)	Antigua, Brazil, Jamaica, Tortola.	2	3		St. Thomas & St. John, Tex.
<i>Euroa lutescens</i> (Blanch.) (Noctuidae):					
<i>Prunus persica nectarina</i> (nectarine)	Chile	1			N. Y.
<i>Euzophora bigella</i> Zell. (?) (Phycitidae):					
<i>Cydonia oblonga</i> (quince)	Italy	1			N. Y.
<i>Everes comyntas</i> (Godt.) (Lycaenidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Mexico	1			Tex.
<i>Evergestis rimosalis</i> (Guen.) (Pyraustidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	do		1		Tex.
<i>Erptochiamera albomaculata</i> (Dist.) (Lygaeidae):					
Orchid	do			3	Tex.
<i>Tillandsia</i> sp.	do			1	Tex.
<i>Erptochiamera confusa</i> Barber (Lygaeidae):					
<i>Citrus sinensis</i> (orange)	do			1	Tex.
<i>Philodendron</i> sp.	do			1	Tex.
<i>Erptochiamera oblonga</i> Stal (Lygaeidae):					
Orchid	Guatemala			1	Calif.*
<i>Farinococcus guatemalensis</i> Ferris (Coccidae):					
<i>Cattleya</i> sp. (orchid)	do			1	Tex.
<i>Ferrisia virgata</i> (Ckll.) (Coccidae):					
<i>Euphorbia pulcherrima</i> (poinsettia)	Philippines	1			Hawaii.
<i>Nerium oleander</i> (oleander)	India		1		Pa.
Orchid	Canal Zone, Ecuador			2	Fla.
<i>Spathoglottis</i> sp. (orchid)	Straits Settlements			2	Hawaii.
<i>Florinia nephelii</i> Mask. (Coccidae):					
<i>Litchi chinensis</i> (lychee)	Hawaii			1	Hawaii.
<i>Frankliniella bispinosa</i> (Morg.) (Thripidae):					
<i>Chrysanthemum</i> and daisy	Haiti		1		Fla.*
Flowers—assorted	Bermuda	1			Mass.

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<i>Frankliniella formosae</i> Mlt. (Thripidae):					
<i>Chrysanthemum</i> sp.	Japan	1			Hawaii.
Flowers—assorted	Formosa		1		Oreg.
<i>Gladiolus</i> sp.	Japan	1			Hawaii.
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):					
<i>Aster</i> sp.	Germany	3			Ill.
<i>Lathyrus odoratus</i> (sweetpea)	England	1			Ill.
<i>Lavandula</i> sp. (lavender)	do	1			Mass.
<i>Rosa</i> sp. (rose)	England, Germany	2	1		Ill., Mass.
<i>Frankliniella occidentalis</i> (Perg.) (Thripidae):					
<i>Gladiolus</i> sp.	Mexico	1			Tex.
<i>Zantedeschia aethiopica</i> (calla lily)	do	1			Tex.
<i>Fundella pellucens</i> (Zell.) (Phyeitidae):					
<i>Cassia fistula</i> (golden shower)	Cuba	1			Fla.*
<i>Pisum sativum</i> (black-eyed pea)	Jost Van Dyke	1			St. Thomas & St. John
<i>Vigna unguiculata</i>	St. Kitts	1			St. Thomas & St. John
<i>Furcaspis biformis</i> (Ckll.) (Coccidae):					
<i>Brassavola nodosa</i> (orchid)	Canal Zone			1	Fla.
<i>Brassavola</i> sp.	Canal Zone, Jamaica			2	Fla.
Bromeliad	Ecuador			1	Fla.
<i>Cattleya</i> sp. (orchid)	Hawaii			3	Hawaii.
<i>Epidendrum atropurpureum</i> (orchid)	Canal Zone			2	Calif.* & Fla.
<i>Epidendrum</i> sp.	Canal Zone, Cuba			7	Fla., N. J.
<i>Oncidium sphacelatum</i> (orchid)	Straits Settlements			1	Calif.*
<i>Oncidium</i> sp.	Trinidad			1	N. J.
Orchid	Canal Zone, Colombia, Jamaica, Panama			13	Fla.
<i>Tillandsia</i> sp.	Ecuador			2	Fla.
<i>Galgupha punctifer</i> McA. & Mall. (Pentatomidae):					
Bromeliad	Mexico			2	Tex.
Orchid	do			1	Tex.
Unknown—in box	Honduras	1			Hawaii.
<i>Galgupha texana</i> McA. & Mall. (Pentatomidae):					
<i>Tillandsia</i> sp.	Mexico			1	Tex.
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):					
<i>Calluna vulgaris</i> (heather)	Scotland	1			Mass.
<i>Glycyphagus domesticus</i> (Deg.) (Glycyphagidae):					
<i>Allium porrum</i> (leek)	Australia		1		Mass.
<i>Citrus grandis</i>	Formosa		1		Pa.
Soil with privet plants	Azores			1	Mass.
<i>Solanum andigenum</i>	Colombia			1	D. C.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae):					
<i>Capsicum frutescens</i> (pepper)	Mexico	6			Ariz., Tex.
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae):					
<i>Beta vulgaris</i> (beet)	Egypt, France, Israel		8		Pa., Tex.
<i>Gracilaria azaleella</i> Brants (Gracilariidae):					
<i>Rhododendron</i> sp.	Netherlands			1	N. J.
<i>Grapholitha molesta</i> (Busek) (Olethreutidae):					
<i>Prunus persica</i> (peach)	Japan		1		Hawaii.
<i>Gynaikothrips ficorum</i> (Marchal) (Phlaeothripidae):					
<i>Arctostaphylos uva-ursi</i> (bearberry)	Cuba		1		N. Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Lilium</i> sp. (lily)	Bermuda		1		N. Y.
<i>Heilipus lauri</i> Boh. (Curculionidae):					
<i>Persea americana</i> (avocado)	Mexico			1	Tex.
<i>Heliothis subflexa</i> (Guen.) (Noctuidae):					
<i>Physalis</i> sp. (husk tomato)	do	1			Tex.
<i>Helix aperta</i> Born (Mollusca):					
<i>Lactuca sativa</i> (lettuce)	France		1		Va.
<i>Helix aspersa</i> (Muller) (Mollusca):					
<i>Cattleya</i> sp. (orchid)	Costa Rica			1	Fla.
Liliaceae and Aizoaceae (?) plants	Azores			1	S. C.
<i>Hellula undalis</i> (F.) (Pyraustidae):					
<i>Brassica rapa</i> (turnip)	Egypt		1		Pa.
<i>Raphanus sativus</i> (radish)	Philippines		1		Hawaii.

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<i>Helophorus rugosus</i> (Oliv.) (Hydrophilidae):	England	1			Pa.
<i>Brassica rapa</i> (turnip)					
<i>Hemimene juliana</i> (Curt.) (Olethreutidae):	Europe(?), Italy	2	1		La., N. Y.
<i>Castanea</i> sp. (chestnut)					
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostrichidae):					
Wood	India	2			Ala., N. Y.
<i>Heterobostrychus brunneus</i> (Murray) (Bostrichidae):					
Trash on crate	Sierra Leone (?)	1			Va.
<i>Heterotermes aureus</i> (Snyder) (Rhinotermitidae):					
<i>Pachyrhizus</i> sp. (yambean)	Mexico	1			Ariz.
<i>Homocossoma electellum</i> (Hlst.) (Phycitidae):					
<i>Chrysanthemum</i> sp.	do	2			Tex.
<i>Hyalopezus pellucidus</i> (Stal) (Miridae):					
<i>Phaeomeria speciosa</i>	Hawaii	1			Hawaii.
<i>Hyburgops palliatus</i> (Gyll.) (Scolytidae):					
Bark on packing case	Germany, Sweden	4			N. Y.
<i>Pinus</i> sp. (pine)	Sweden	1			N. Y.
<i>Hypera nigrirostris</i> (F.) (Curculionidae):					
<i>Trifolium pratense</i> (red clover)	Switzerland		1		D. C.
<i>Ips calligraphus</i> (Germ.) (Scolytidae):					
Log	Bahamas	1			Fla.*
<i>Iridomyrmex humilis</i> Mayr (Formicidae):					
<i>Annona</i> sp.	Madeira Islands	1			Mass.
<i>Ficus carica</i> (fig)	Italy	1			Mass.
<i>Passiflora</i> sp. (passion flower)	Bermuda	1			N. Y.
<i>Vitis vinifera</i> (European grape)	Union of South Africa	1			N. Y.
<i>Vitis</i> sp. (grape)	do	1			N. Y.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
Orchid	Guatemala		1		Tex.
Trash	Costa Rica		1		Hawaii.
<i>Ischnodemus diplopterus</i> (Dist.) (Lygaeidae):					
<i>Prunus armeniaca</i> (apricot)	Union of South Africa	1			N. Y.
<i>Prunus persica</i> (peach)	do	1			N. Y.
<i>Ischnodemus saccharivorus</i> Okajima (Lygaeidae):					
<i>Saccharum spontaneum</i>	Japan		1		D. C.
<i>Lamellaris gracilis</i> (Hutton) (Mollusca):					
<i>Cattleya</i> sp. (orchid)	Hawaii		1		Hawaii.
<i>Lampetia equestris</i> (F.) (Syrphidae):					
<i>Narcissus</i> sp.	England, Ireland		9		N. J., N. Y.
<i>Lampides boeticus</i> (L.) (Lycaenidae):					
<i>Canavalia</i> sp. (mauna loa)	Hawaii	21			Calif.* Hawaii.
<i>Dolichos lablab</i> (hyacinth-bean)	do	1			Hawaii.
<i>Pisum sativum</i> (pea)	Japan, Mozambique		2		Pa., Wash.
<i>Laspeyresia nigricana</i> (Stph.) (Olethreutidae):					
<i>Pisum sativum</i> (pea)	Spain		1		Pa.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut)	Azores, England, France, Italy, Portugal, Spain	33			Fla.* Ill., Mass., N. Y.
<i>Lecanium corni</i> (Bouche) (Coccidae):					
<i>Crataegus</i> sp.	Netherlands, Sweden		3		N. J.
<i>Malus</i> sp.	Germany		1		N. J.
<i>Lepidosaphes carinata</i> (Ckll.) (Coccidae):					
Fruit—unidentified	Mexico	1			Calif.*
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
Cactus	do		2		Ariz., Tex.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum</i> sp. (croton)	Hawaii	3		2	Hawaii
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae):					
<i>Cymbidium</i> sp. (orchid)	Australia, Hawaii, Japan		4		Calif.* Hawaii.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae) (as defined by Kuwana):					
<i>Camellia</i> sp.	Japan		1		Hawaii.
<i>Leptocorixa acuta</i> (Thunb.) (Coreidae):					
Airplane	West Pacific		1		Hawaii.
<i>Leptoglossus chilensis</i> (Spin.) (Coreidae):					
<i>Vitis</i> sp. (grape)	Chile	4			N. Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Leucaspis cockerelli</i> (de Charm.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Salvador.....	1			Calif.*
<i>Citrus limon</i> (lemon).....	Panama.....		1		Calif.*
<i>Citrus sinensis</i> (orange).....	do.....		1		Calif.*
<i>Litchi chinensis</i> (lychee).....	Hawaii.....			1	Hawaii.
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae):					
<i>Solanum melongena</i> (eggplant).....	Nigeria.....		1		Md.
<i>Leucoptera coffeella</i> G.-M. (Lyonetiidae):					
<i>Coffea</i> sp. (coffee).....	Mexico.....	3			Ariz.
<i>Limax marginatus</i> Muller (Mollusca):					
<i>Brassica oleracea capitata</i> (cabbage).....	Netherlands.....		1		Tex.
<i>Catasetum</i> sp. (orchid).....	Costa Rica.....			1	Fla.
<i>Liliaceae</i> and <i>Aizoaceae</i> (?) plants.....	Azores.....			1	S. C.
<i>Lycaste</i> sp. (orchid).....	Mexico.....			1	Fla.
<i>Oncidium ansiferum</i> (orchid).....	Costa Rica.....			1	Fla.
<i>Oncidium lankesteri</i>	do.....			1	Hawaii.
<i>Oncidium</i> sp.	do.....			1	Hawaii.
Orchid.....	Costa Rica, Madeira Island, Mexico.			4	Fla., Mass. N. J., Tex.
<i>Pelargonium</i> sp. (geranium).....	Mexico.....	1			Calif.
<i>Limax maximus</i> L. (Mollusca):					
<i>Brassica oleracea capitata</i> (cabbage).....	Azores.....		1		Ga.
Orchid.....	Guatemala.....			1	Fla.
<i>Limothrips cerealeum</i> Hal. (Thripidae):					
<i>Narcissus</i> sp.	Ireland.....			1	N. Y.
<i>Listroderes costirostris obliquus</i> (Klug) (Curculionidae):					
<i>Vitis</i> sp. (grape).....	Chile.....	1			N. Y.
<i>Lirius juncei</i> Boh. (Curculionidae):					
<i>Beta vulgaris</i> (beet).....	Egypt.....		1		Pa.
<i>Lyctus africanus</i> Lesne (Lyctidae):					
Wood.....	India.....	2			Ill.
<i>Lyctus brunneus</i> (Steph.) (Lyctidae):					
<i>Quercus</i> sp. (oak).....	Morocco.....	1			Pa.
<i>Lygaeus pulchellus</i> (F.) (Lygaeidae):					
Orchid.....	Costa Rica.....			1	Fla.
<i>Macropygium reticulare</i> (F.) (Pentatomidae):					
<i>Dieffenbachia</i> sp.	Mexico.....			1	Tex.
<i>Malacosoma castrensis</i> (L.) (Lasiocampidae):					
Suitease.....	Morocco.....	1			Pa.
<i>Manestra brassicae</i> (L.) (Noctuidae):					
<i>Apium graveolens</i> (celery).....	England.....		1		Tex.
<i>Brassica oleracea botrytis</i> (cauliflower).....	Germany.....		1		Tex.
<i>Brassica oleracea capitata</i> (cabbage).....	Belgium.....		1		N. Y.
<i>Lactuca sativa</i> (lettuce).....	do.....		1		Tex.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Puerto Rico, Trinidad.....	3			P. R.
<i>Canavalia microcarpa</i>	Hawaii.....	1			Hawaii.
<i>Canavalia</i> sp. (mauna loa).....	do.....	19			Calif.* Hawaii.
<i>Phaseolus vulgaris</i> var. (string bean).....	Hawaii, Netherlands Guiana, Panama (?), Puerto Rico, Venezuela.	3	4		Ala., Pa., P. R., St. Thomas & St. John, Wash.
<i>Phaseolus</i> sp.	Trinidad.....	1			P. R.
<i>Sesbania grandiflora</i>	Hawaii.....	1			Hawaii.
<i>Masonaphis rhododendri</i> (Wils.) (Aphidae):					
<i>Rhododendron obtusum</i>	Netherlands.....			1	N. J.
<i>Mecloaemys carvalhoi</i> Costa Lima (?) (Miridae):					
Orchid.....	Panama.....			1	Fla.
<i>Megacerus alternatus</i> Bridw. (Bruchidae):					
<i>Operculina tuberosa</i> (wood-rose).....	Hawaii.....	1			Hawaii.
<i>Megalometis chiliensis</i> Boh. (Curculionidae):					
<i>Prunus domestica</i> (plum).....	Chile.....	1			N. Y.
<i>Megastigmus pistaciae</i> Wlk. (Torymidae):					
<i>Pistacia vera</i> (pistache).....	Iran, Italy.....	2			N. Y., Pa.
<i>Mescinia peruvella</i> Schaus (Phycitidae):					
<i>Gossypium</i> sp. (cotton; boll).....	Peru.....	1			N. Y.

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<i>Metamasius sericeus</i> Ol. (Curculionidae): <i>Musa paradisiaca sapientum</i> (banana)-----	Ecuador, unknown-----	11	-----	-----	La., Pa., S. C.
<i>Metopoplax ditomoides</i> (Costa) (Lygaeidae): Military cargo-----	Morocco-----	1	-----	-----	S. C.
<i>Metrona erratica angularis</i> Cham. (Chrysomelidae): <i>Chamaedorea</i> sp.-----	Mexico-----	1	-----	-----	Tex.
<i>Micrelus ericae</i> (Gyll.) (Curculionidae): <i>Calluna vulgaris</i> (heather)-----	Scotland-----	2	-----	-----	Mass., N. Y.
<i>Microcephalothrips abdominalis</i> (Crawf.) (Thripidae): <i>Arctotis stoechadifolia</i> (African daisy)-----	Japan-----	1	-----	-----	Hawaii.
<i>Chrysanthemum</i> sp.-----	do-----	2	-----	-----	Hawaii.
<i>Mimosestes dominicanus</i> (Jek.) (Bruchidae): Seed pod-----	Jamaica-----	1	-----	-----	Fla.*
<i>Mocis latipes</i> (Guen.) (Noctuidae): Airplane-----	Cuba-----	-----	1	-----	Fla.*
<i>Monanthus monotropidia</i> Stal (Tingidae): Orchid-----	Mexico-----	-----	-----	1	Tex.
<i>Tillandsia</i> sp.-----	do-----	-----	-----	1	Tex.
<i>Monomorium destructor</i> (Jerd.) (Formicidae): Clothing-----	Cuba-----	1	-----	-----	N. Y.
<i>Grammatophyllum</i> sp. (orchid)-----	Indonesia-----	-----	-----	1	Hawaii.
<i>Lycaste denningiana</i> (orchid)-----	Ecuador-----	-----	-----	1	Hawaii.
Orchid-----	India-----	-----	-----	1	N. J.
<i>Vanda</i> sp. (orchid)-----	Indonesia-----	-----	-----	1	Hawaii.
<i>Zingiber officinale</i> (ginger)-----	Montserrat-----	1	-----	-----	Tex.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): <i>Zea mays</i> (corn)-----	Mexico-----	1	-----	-----	Tex.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Citrus aurantifolia</i> (lime)-----	Tahiti-----	1	-----	-----	Calif.*
<i>Myzus ascalonicus</i> Donc. (Aphidae): <i>Allium ascalonicum</i> (shallot)-----	France-----	-----	-----	1	N. J.
<i>Nasutitermes columbicus</i> (Holmgren) (Termitidae): Orchid-----	Costa Rica-----	-----	-----	1	Calif.*
<i>Nasutitermes corniger</i> (Motsch) (Termitidae): Cardboard crate-----	British Guiana-----	1	-----	-----	Ala.
Orchid-----	Costa Rica-----	-----	-----	1	Tex.
<i>Nasutitermes nigriceps</i> (Hald.) (Termitidae): <i>Schomburgkia</i> sp. (orchid)-----	British Honduras-----	-----	-----	1	Fla.
<i>Naupactus xanthographus</i> Germar (Curculionidae): <i>Vitis</i> sp. (grape)-----	Chile-----	1	-----	-----	N. Y.
<i>Nemapogon granella</i> (L.) (Tineidae): <i>Agaricus campestris</i> (mushroom)-----	Germany, Poland-----	2	-----	-----	N. Y.
<i>Neodryocoetes guianae</i> Blkm. (Scolytidae): Bean-----	British Guiana-----	1	-----	-----	La.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae): <i>Capsicum frutescens</i> (pepper)-----	Brazil-----	-----	1	-----	Md.
<i>Solanum melongena</i> (eggplant)-----	do-----	-----	2	-----	Md.
<i>Solanum</i> (?) sp.-----	British Guiana-----	1	-----	-----	P. R.
<i>Neosteingelia texana</i> Morr. (Coccidae): Orchid-----	Mexico-----	-----	-----	1	Tex.
<i>Neotermes chilensis</i> (Blanchard) (Kalotermitidae): <i>Vitis</i> sp. (grape)-----	Chile-----	1	-----	-----	N. Y.
<i>Nezara viridula</i> (L.) (Pentatomidae): <i>Dendrobium johnsoniae</i> (orchid)-----	Australia-----	-----	-----	1	Hawaii.
<i>Dianthus</i> sp. (carnation)-----	Japan-----	-----	1	-----	Hawaii.
<i>Vitis</i> sp. (grape)-----	Union of South Africa-----	1	-----	-----	N. Y.
<i>Nipponaclerda bivakoensis</i> (Kuw.) (Coccidae): <i>Juncus</i> sp. (rush)-----	Japan-----	1	-----	-----	Calif.*
<i>Noropsis hieroglyphica</i> (Cram.) (Noctuidae): Airplane-----	Cuba-----	-----	1	-----	Fla.*
Orchid-----	Mexico-----	-----	-----	1	Tex.
<i>Nysius coenosulus</i> Stal (Lygaeidae): <i>Vanda</i> sp. (orchid)-----	Hawaii-----	3	-----	-----	Hawaii.
<i>Nysius vinitor</i> Bergroth (Lygaeidae): <i>Andropogon</i> sp.-----	New Guinea-----	-----	-----	1	D. C.

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<i>Ogdoecosta catenulata</i> (Boh.) (Chrysomelidae):					
<i>Cucurbita maxima</i> (squash)	Mexico	1			Tex.
<i>Opogona subcervinella</i> (Wlk.) (Lyonetiidae):					
<i>Saccharum officinarum</i> (sugarcane)	Portugal	1			N. Y.
Soil with arum and banana	St. Vincent			2	N. Y.
<i>Orchidophilus aterrimus</i> (Waterh.) (Curculionidae):					
<i>Vanda</i> sp. (orchid)	Hawaii	2			Hawaii.
<i>Orthezia cacticola</i> Morr. (Coccidae):					
Cactus	Mexico			1	Tex.
<i>Orthezia pseudinsignis</i> Morr. (Coccidae):					
Leaf—unidentified	do			1	Tex.
<i>Orthotylus ericetorum</i> (Fall.) (Miridae):					
<i>Calluna vulgaris</i> (heather)	Scotland	1			N. Y.
<i>Pachnaeus litus</i> (Germ.) (Curculionidae):					
Airplane	Unknown, Venezuela		2		Fla.*
<i>Pachyzancla bipunctalis</i> (F.) (Pyraustidae):					
<i>Amaranthus</i> sp.	Jamaica	1			N. Y.
Leaf	do	1			N. Y.
<i>Pachyzancla periusalis</i> (Wlk.) (Pyraustidae):					
<i>Capsicum frutescens</i> (pepper)	Puerto Rico	1			Ill.
<i>Pagiocerus fiorii</i> (Eggers) (Scolytidae):					
<i>Zea mays</i> (corn)	Colombia			1	N. Y.
<i>Palaeopus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea</i> sp. (yam)	Jamaica	2			N. Y.
<i>Ipomoea batatas</i> (sweetpotato)	do		2		Tex.
<i>Pantomorus godmani</i> (Crotch) (Curculionidae):					
<i>Codiaeum</i> sp. (croton)	Hawaii	1			Hawaii.
<i>Cordyline terminalis</i> (ti)	do			1	Hawaii.
<i>Epidendrum</i> sp. (orchid)	do			1	Hawaii.
<i>Parlatoria camelliae</i> Comst. (Coccidae):					
<i>Camellia japonica</i> (camellia)	Italy, Japan, Portugal	1	1	4	D. C., Hawaii, N. J., D. C.
<i>Camellia sasanqua</i> (sasanqua tea)	Japan			2	D. C.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus paradisi</i> (grapefruit)	Brazil		1		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)	Mexico	1			Calif.*
<i>Citrus sinensis</i> (orange)	Israel, unknown	1	1		Calif.* Fla.*
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum</i> sp. (croton)	Hawaii	1			Hawaii.
<i>Parlatoria pseudaspidiotus</i> Ldgr. (Coccidae):					
<i>Vanda</i> sp. (orchid)	do			1	Hawaii.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus grandis</i> (pummelo)	Formosa		1		Pa.
<i>Citrus limon</i> (lemon)	Italy, unknown	2	1		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)	China, Thailand	2			Calif.* Hawaii.
<i>Citrus sinensis</i> (orange)	Formosa, France (?)		2		Calif.*
<i>Parthenothrips dracaenae</i> (Heeger) (Thripidae):					
<i>Peperomia</i> sp.	Canada			1	Pa.
<i>Paromius longulus</i> (Dallas) (Lygaeidae):					
Orchid	Mexico			1	Tex.
<i>Pealius hibisci</i> (Kot.) (Aleyrodidae):					
<i>Gardenia augusta</i> (gardenia)	Hawaii	1			Hawaii.
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium barbadense</i>	do	1			Hawaii.
<i>Gossypium</i> sp. (cottonseed)	Antigua, Bahamas, Curacao, France, Haiti, Mexico, Syria.	20	1	3	Ariz., Calif., D. C., Fla.* N. Y., S. C., Tex.
<i>Gossypium</i> sp. (seed cotton)	Mexico	9	2		Calif., Tex.
<i>Gossypium</i> sp. (cotton; boll)	Hawaii, Mexico	3			Hawaii, Tex.
<i>Gossypium</i> sp. (cotton; lock)	Cuba	1			N. Y.
<i>Hibiscus esculentus</i> (okra)	Dominican Republic, Puerto Rico.	2	1		N. Y., P. R.

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<i>Pentalonia nigronervosa</i> Coq. (Aphidae):					
<i>Heliconia</i> sp.-----	Chile-----		1		Fla.*
<i>Strelitzia</i> sp.-----	Colombia-----	1			N. Y.
<i>Zingiber officinale</i> (ginger)-----	Hawaii-----	1			Pa.
<i>Zingiber</i> sp.-----	Guam-----			1	Hawaii.
<i>Pentamerismus coronatus</i> (C. & F.) (Tenuipalpidae):					
<i>Juniperus</i> sp. (juniper)-----	Spain-----			1	D. C., Wash.
<i>Pentamerismus oregonensis</i> McG. (Tenuipalpidae):					
<i>Juniperus</i> sp. (juniper)-----	Japan-----			1	Wash.
<i>Pentatrachopus fragaefolii</i> (Ckll.) (Aphidae):					
<i>Acer</i> sp. (maple)-----	France-----	1			N. Y.
<i>Pentatrachopus tetrahodus</i> (Wlk.) (?) (Aphidae):					
<i>Rosa</i> sp. (rose)-----	Germany-----	1			Ill.
<i>Perigea illecta</i> Wlk. (Noctuidae):					
Airplane-----	Unknown-----		1		Hawaii.
<i>Periphyllus californiensis</i> (Shinji) (Aphidae):					
<i>Acer</i> sp. (maple)-----	Netherlands-----			1	N. J.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
<i>Lilium</i> sp. (lily)-----	Bermuda-----	1			N. Y.
Orchid-----	British Honduras-----			1	Tex.
<i>Phenacoccus azaleae</i> Kuw. (Coccidae):					
<i>Rhododendron</i> sp.-----	Japan-----		1		Mass.
<i>Phenacoccus gossypii</i> (Townsend & Ckll.) (Coccidae):					
<i>Polyscias</i> sp.-----	Bermuda-----			1	N. Y.
<i>Theobroma cacao</i> (cacao)-----	Mexico-----	1			Fla.*
<i>Phenacoccus parvus</i> Morr. (Coccidae):					
<i>Capsicum frutescens</i> (pepper)-----	Anguilla-----	1			St. Thomas & St. John
<i>Phenacoccus solani</i> Ferris (Coccidae):					
Gesneriaceae-----	Canal Zone-----			1	Fla.
<i>Phlyctinus callosus</i> Boh. (Curculionidae):					
<i>Vitis vinifera</i> (European grape)-----	Union of South Africa-----	1			N. Y.
<i>Vitis</i> sp. (grape)-----	do-----	1			N. Y.
<i>Phorodon menthae</i> (Buckl.) (Aphidae):					
<i>Mentha</i> sp. (mint)-----	Morocco-----	1			S. C.
<i>Phyrdenus divergens</i> (Germ.) (Curculionidae):					
<i>Allium sativum</i> (garlic)-----	Argentina-----	1			La.
<i>Phytomyza rufipes</i> Meig. (Agromyzidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)-----	Belgium, Denmark, England, Germany, Netherlands, Scotland, France, Germany-----	24			Ala., Pa., Tex.
<i>Brassica oleracea capitata</i> (cabbage)-----	Belgium, England, France, Germany-----		10		Pa., Tex.
<i>Brassica oleracea gongylodes</i> (kohlrabi)-----	Germany-----		1		Pa.
<i>Brassica rapa</i> (turnip)-----	Belgium, France-----		2		N. Y., Pa.
<i>Cichorium endivia</i> (endive)-----	Belgium, Netherlands-----	13			Mass., N. Y.
<i>Cichorium intybus</i> (chicory)-----	Belgium-----	2			N. Y.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Brassica oleracea botrytis</i> (cauliflower)-----	Italy-----		1		St. Thomas & St. John.
<i>Brassica oleracea capitata</i> (cabbage)-----	do-----		1		N. Y.
<i>Pinnaspis buri</i> (Bouche) (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Costa Rica-----	1			Calif.*
<i>Cordyline terminalis</i> (ti)-----	Hawaii-----	3			Hawaii.
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
Bark-----	Canada, England, Finland, Norway, Sweden, England, Germany-----	7			N. Y., Pa.
<i>Pinus</i> sp. (pine)-----	Sweden-----	3			Ga., N. Y.
Wood-----	Sweden-----	2			N. Y.
<i>Plagioderia semivittata</i> Stal (Chrysomelidae):					
Orchid-----	Mexico-----			2	Tex.
<i>Plagioderia thymaloides</i> Stal (Chrysomelidae):					
Orchid-----	do-----			3	Tex.

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<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum frutescens</i> (pepper)-----	Cuba-----	2			Fla.* N. Y.
<i>Rosa</i> sp. (rose)-----	Venezuela-----	1			N. Y.
<i>Platypus rugulosus</i> Chap. (Platypodidae):					
Airplane-----	Mexico-----		1		Ariz.
<i>Copaifera hemitomophylla</i> ("cative")-----	Colombia-----	2			Ga.
<i>Plusia chalcites</i> (Esp.) (Noctuidae):					
<i>Cordylina terminalis</i> (ti)-----	Hawaii-----	1			Hawaii.
<i>Plusia chalcites</i> (Esp.) (?) (Noctuidae):					
Baggage-----	do-----	1			Hawaii.
<i>Cordylina terminalis</i> (ti)-----	do-----	1			Hawaii.
<i>Vanda</i> sp. (orchid)-----	do-----	1			Hawaii.
<i>Porphyrobaphe iostoma</i> (Sowerby) (Mollusca):					
<i>Musa paradisiaca sapientum</i> (banana)-----	Ecuador, Honduras-----	2			La., Pa.
<i>Porthetria dispar</i> (L.) (Lymantriidae):					
Conex box-----	Unknown-----		1		N. Y.
<i>Prunus armeniaca</i> (apricot)-----	France-----		1		N. Y.
<i>Prays oleellus</i> (F.) (Hypomeutidae):					
<i>Olea europaea</i> (olive)-----	Greece, Lebanon-----	2			N. Y.
<i>Prostephanus truncatus</i> (Horn) (Bostrichidae):					
Wood-----	Mexico-----	1			Va.
<i>Protopulvinaria longivalvata</i> Green (Coccidae):					
<i>Dioscorea</i> sp. (yam)-----	Puerto Rico-----	1			Ill.
<i>Protopulvinaria pyrifomis</i> (Ckll.) (Coccidae):					
<i>Cinnamomum</i> sp. (cinnamon)-----	St. Lucia-----			1	Fla.
<i>Coffea</i> sp. (coffee)-----	Jamaica-----	1			Fla.*
<i>Gardenia augusta</i> (gardenia)-----	Cuba-----	1	1		Fla.*
Leaf—unidentified-----	Cuba, Haiti-----	1		1	Fla.*
<i>Pseudonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Citrus paradisi</i> (grapefruit)-----	Brazil-----	1			Fla.*
<i>Pseudischinaspis alienus</i> (Newst.) (Coccidae):					
<i>Cattleya</i> sp. (orchid)-----	Guatemala-----			1	Fla.
<i>Pseudischinaspis boureyi</i> (Ckll.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Nicaragua-----	1			Fla.*
<i>Pseudischinaspis longissima</i> (Ckll.) (Coccidae):					
<i>Mangifera indica</i> (mango)-----	do-----	1			Calif.*
<i>Pseudococcus comstocki</i> (Kuw.) (Coccidae):					
<i>Malus sylvestris</i> (apple)-----	Japan-----		2		Calif.* Hawaii.
<i>Pseudococcus lilacinus</i> (Ckll.) (Coccidae):					
<i>Annona cherimola</i> (cherimoya)-----	Philippines-----			1	Wash.
<i>Lansium domesticum</i> -----	do-----	1			Hawaii.
<i>Mussaenda philippinensis</i> -----	do-----			1	D. C.
<i>Passiflora edulis</i> (purple granadilla)-----	do-----		1		Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----			4	Calif.* Wash.
<i>Pseudococcus palmarum oceanicus</i> Tak. (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	do-----	2			Hawaii.
<i>Pseudococcus pini</i> (Kuw.) (Coccidae):					
<i>Pinus</i> sp. (pine)-----	Japan-----		1		Mass.
<i>Psylla buxi</i> (L.) (Psyllidae):					
<i>Buxus sempervirens</i> (box)-----	Netherlands-----			2	N. J.
<i>Psylla buxi</i> (L.) (?) (Psyllidae):					
<i>Buxus sempervirens</i> (box)-----	France-----			1	D. C.
<i>Psylla mali</i> (Schmid.) (?) (Psyllidae):					
<i>Malus sylvestris</i> (apple)-----	Ireland-----	1			N. Y.
<i>Pulvinaria floccifera</i> (Westw.) (Coccidae):					
<i>Eurya japonica</i> -----	Japan-----	1			Hawaii.
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Alpinia purpurata</i> -----	Hawaii-----	1			Hawaii.
<i>Anthurium</i> sp.-----	do-----	1			Hawaii.
<i>Gardenia augusta</i> (gardenia)-----	do-----	2			Hawaii.
<i>Litchi chinensis</i> (lychee)-----	India-----			1	D. C.
<i>Nerium oleander</i> (oleander)-----	Bermuda-----	1			N. Y.
<i>Plumeria</i> sp.-----	Hawaii-----	1			Hawaii.
<i>Puto ulter Ferris</i> (Coccidae):					
<i>Cynoches</i> sp. (orchid)-----	Costa Rica-----			1	Fla.
<i>Oncidium coboletta</i> (orchid)-----	Guatemala-----			1	Fla.
<i>Oncidium splendendum</i> -----	do-----			1	Tex.
Orchid-----	Guatemala, Mexico-----			3	Fla., Tex.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):	Italy, Philippines.....	---	3	---	Calif.*, Pa.
<i>Capiscum frutescens</i> (pepper)	Italy, Yugoslavia.....	9	1	---	Mass., Mich., N. Y., Pa.
<i>Sorghum vulgare technicum</i> (broomcorn).....					
<i>Reticulitermes flavipes</i> (Kol.) (Rhinotermitidae):					
<i>Fagus</i> sp. (beech).....	Italy.....	1	---	---	N. Y.
<i>Solanum tuberosum</i> (potato).....	Canada.....	---	1	---	Fla.*
<i>Rhagoletis basiola</i> (O. S.) (Tephritidae):					
<i>Rosa woodsii</i> (woods rose).....	do.....	---	1	---	Wash.
<i>Rhagoletis basiola</i> (O.S.) (?) (Tephritidae):	do.....	---	1	---	D. C.
<i>Rosa</i> sp. (rose).....					
<i>Rhagoletis cerasi</i> (L.) (Tephritidae):					
<i>Malus sylvestris</i> (apple).....	Italy (?).....	20	1	---	Mass.
<i>Prunus</i> sp. (cherry).....	France, Germany, Greece, Italy, Portugal, Spain, unknown.	24	---	---	Calif.*, La. Mass., N. Y.
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritidae):					
<i>Malus sylvestris</i> (apple).....	Unknown.....	---	1	---	N. Y.
<i>Prunus</i> sp. (cherry).....	Italy, Netherlands.....	---	2	---	N. Y., Va.
<i>Rhagoletis cingulata</i> (L.) (Tephritidae):					
<i>Prunus</i> sp. (cherry).....	France.....	---	1	---	Ill.
<i>Rhopalophora incrustata</i> Chevr. (Cerambycidae):					
<i>Sambucus</i> sp. (elder).....	do.....	2	---	---	N. Y.
<i>Rhopalosiphoninus tulipae</i> (Theob.) (Aphidae):					
<i>Tulipa</i> sp. (tulip).....	Netherlands.....	---	---	1	Tex.
<i>Rhopalosiphum crataegellum</i> (Theob.) (?) (Aphidae):					
<i>Lonicera</i> sp. (woodbine).....	Ireland.....	1	---	---	Mass.
<i>Ribua innoxia</i> Hein. (Phycitidae):					
<i>Ananas comosus</i> (pineapple).....	Cuba.....	12	1	---	Fla.*, La. N. Y., Tex.
<i>Sacododes pyralis</i> Dyar (Noctuidae):					
<i>Gossypium</i> sp. (cottonseed).....	Curacao.....	1	---	---	S. C.
<i>Scobicia cherieri</i> (Villa) (Bostrichidae):					
<i>Quercus</i> sp. (oak).....	Morocco.....	1	---	---	Pa.
<i>Scolytus multistriatus</i> (Marsh.) (Scolytidae):					
<i>Ulmus</i> sp. (elm).....	Canada.....	1	---	---	N. Y.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae):					
<i>Psidium guajava</i> (guava).....	Cuba.....	1	---	---	Fla.*
<i>Sesamia cretica</i> Led. (Noctuidae):					
<i>Sorghum vulgare technicum</i> (broomcorn).....	Greece, Italy.....	9	1	---	Md., Mass., Mich., N. Y.
<i>Sinoxylon anale</i> Lesne (Bostrichidae):					
Wood.....	India.....	1	---	---	Ala.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae):					
Baggage.....	Hawaii.....	1	---	---	Hawaii.
Wood.....	India.....	1	---	---	Md.
<i>Siphanta acuta</i> (Wlk.) (Flatidae):					
Baggage.....	Hawaii.....	1	---	---	Hawaii.
<i>Dendrobium</i> sp. (orchid).....	do.....	---	1	---	Hawaii.
<i>Vanda</i> sp. (orchid).....	do.....	1	---	---	Hawaii.
<i>Sirex noctilio</i> F. (Siricidae):					
Wood.....	Germany.....	1	---	---	N. Y.
<i>Sitona lineata</i> L. (Curculionidae):					
<i>Rosa</i> sp. (rose).....	England.....	---	1	---	N. J.
<i>Spanioneura fonscolombei</i> Foerst. (Psyllidae):					
<i>Buzus sempervirens</i> (box).....	Italy.....	---	1	---	D. C.
<i>Spanogonicus albofasciata</i> (Reuter) (Miridae):					
<i>Saccharum officinarum</i> (sugarcane).....	Mexico.....	1	---	---	Ariz.
<i>Spartea villosus</i> (F.) (Bruchidae):					
<i>Cytisus</i> sp.....	Switzerland.....	---	1	---	N. Y.
<i>Spartea villosus</i> (F.) (?) (Bruchidae):					
<i>Spartium junceum</i> (weavers-broom).....	Italy.....	---	1	---	N. J.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Stenotarsonemus laticeps</i> (Halb.) (Tarsonemidae):					
<i>Narcissus</i> sp.-----	Canada, Northern Ireland.	-----	-----	2	N. J.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae):					
<i>Persea americana</i> (avocado)-----	Costa Rica, Ecuador, Guatemala, Mexico, Nicaragua, Panama, Salvador, Venezuela.	17	6	3	Ala., Calif.*, Fla.*, La., N. Y., S. C., Tex.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae):					
<i>Coffea arabica</i> (Arabian coffee)-----	Liberia-----	-----	-----	1	D. C.
<i>Coffea canephora</i> -----	French West Africa-----	-----	-----	1	D. C.
<i>Coffea ugandae</i> -----	French Equatorial Africa.	-----	-----	1	D. C.
<i>Coffea</i> sp.-----	Angola-----	-----	1	-----	P. R.
<i>Sternonchus mangiferae</i> (F.) (Curculionidae):					
<i>Mangifera indica</i> (mango)-----	Hawaii, India, Philippines(?).	11	-----	-----	Calif.*, Hawaii, N. Y.
<i>Suidasia medianensis</i> Oud. (Acaridae):					
<i>Gossypium</i> sp. (cottonseed)-----	India-----	1	-----	-----	Wash.
<i>Systole geniculata</i> Foerster (Eurytomidae):					
<i>Ammi coccicum</i> -----	do-----	1	-----	-----	N. J.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae):					
<i>Aster</i> sp.-----	Germany-----	1	-----	-----	Ill.
<i>Calluna vulgaris</i> (heather)-----	Scotland-----	5	-----	-----	Mass., N. Y.
<i>Dianthus caryophyllus</i> (carnation)-----	Germany, Netherlands-----	2	2	-----	Ill., Mass., Pa.
<i>Lathyrus odoratus</i> (sweet pea)-----	England-----	2	-----	-----	Ill., N. Y.
<i>Lavandula</i> sp. (lavender)-----	do-----	1	-----	-----	Mass.
<i>Rosa</i> sp. (rose)-----	Scotland-----	1	-----	-----	N. Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather)-----	do-----	5	-----	-----	Mass., N. Y.
<i>Erica australis</i> (southern heath)-----	Portugal-----	-----	-----	1	D. C.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Gardenia augusta</i> (gardenia)-----	Hawaii-----	3	-----	-----	Hawaii.
<i>Plumeria</i> sp.-----	do-----	1	-----	-----	Hawaii.
<i>Polianthes tuberosa</i> (tuberose)-----	do-----	1	-----	-----	Hawaii.
<i>Taeniothrips vulgarissimus</i> (Hal.) (Thripidae):					
<i>Rosa</i> sp. (rose)-----	Scotland-----	1	-----	-----	N. Y.
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya)-----	Mexico-----	7	-----	-----	Tex.
<i>Annona muricata</i> (soursop)-----	Trinidad-----	1	-----	-----	P. R.
" <i>Targionia</i> " <i>bromilae</i> (Leon) (Coccidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	-----	-----	Ariz.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea</i> sp. (yam)-----	Barbados, Cuba-----	1	1	-----	Fla.*, Mass.
" <i>Targionia</i> " <i>sacchari</i> (Ckll.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)-----	Cuba, St. Kitts-----	1	1	-----	Fla.*
<i>Teleonemia scrupulosa</i> Stal (Tingidae):					
<i>Vanda</i> sp. (orchid)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Tenthoris angustimarginatus</i> Hsiao & Sailer (Miridae):					
Orchid-----	Mexico-----	-----	-----	1	Tex.
<i>Tenthoris bicolor</i> Scott (Miridae):					
<i>Lacaena spectabilis</i> (orchid)-----	Honduras-----	-----	-----	3	Hawaii.
Orchid-----	Mexico-----	-----	-----	6	Aiz., Tex
<i>Tenthoris confusus</i> Hsiao & Sailer (Miridae):					
Orchid-----	do-----	-----	-----	12	Tex.
<i>Tenthoris distinguendus</i> Hsiao & Sailer (Miridae):					
<i>Brassia caudata</i> (orchid)-----	Canal Zone-----	-----	-----	1	Hawaii.
<i>Epidendrum atropurpureum</i> (orchid)-----	do-----	-----	-----	1	Hawaii.
<i>Rodriguezia secunda</i> (orchid)-----	do-----	-----	-----	1	Hawaii.
<i>Tenuipalpus pacificus</i> Baker (Tenuipalpidae):					
Orchid-----	Jamaica-----	-----	-----	1	Fla.
<i>Termes panamaensis</i> (Snyder) (Termitidae):					
Orchid-----	British Honduras-----	-----	-----	1	Fla.
<i>Tetralicia ericae</i> Harrison (Aleyrodidae):					
<i>Erica</i> sp.-----	Portugal-----	-----	-----	1	D. C.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-cult	Propagati	
<i>Tetranychus cinnabarinus</i> (Boisd.) (Tetranychidae):					
<i>Cucurbita maxima</i> (squash)-----	Italy-----	1			Mass.
<i>Tetranychus desertorum</i> Banks (Tetranychidae):					
<i>Gossypium</i> sp. (cotton; plant)-----	Mexico-----	1			Tex.
<i>Tetranychus telarius</i> (L.) (Tetranychidae):					
<i>Daphne</i> sp.-----	England-----		1		N. J.
<i>Dianthus caryophyllus</i> (carnation)-----	Germany-----		1		Pa.
<i>Tezananus spatulatus</i> (Van D.) (Cicadellidae):					
Cactus-----	Mexico-----			1	Tex.
<i>Theba pisana</i> (Muller) (Mollusca):					
<i>Beta vulgaris</i> (beet)-----	Belgium-----		1		Pa.
<i>Beta vulgaris cicla</i> (Swiss chard)-----	Venezuela-----		1		P. R.
Conex box-----	Morocco-----	1			Pa.
Dunnage-----	do-----		1		Ga.
<i>Linum usitatissimum</i> (flax)-----	do-----			1	D. C.
Machinery-----	do-----	2			Pa.
Military cargo-----	Morocco, Tripoli-----	26			Pa., S. C.
<i>Thecla ziba</i> Hew. (Lycaenidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1			Tex.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Calluna vulgaris</i> (heather)-----	Scotland-----	1			Mass.
<i>Dianthus caryophyllus</i> (carnation)-----	Germany-----		1		Ill.
<i>Lathyrus odoratus</i> (sweet pea)-----	England-----	1			Ill.
<i>Narcissus</i> sp.-----	Ireland-----			1	N. Y.
<i>Thrips fuscipennis</i> Hal. (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation)-----	Germany-----	1			Ill.
<i>Rosa</i> sp. (rose)-----	Scotland-----	1			N. Y.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation)-----	Germany-----		1		Ill.
<i>Lathyrus odoratus</i> (sweet pea)-----	England-----	1			Ill.
<i>Rosa</i> sp. (rose)-----	England, Ireland-----	2			Ill., Mass.
<i>Tiracola plagiata</i> (Wlk.) (Noctuidae):					
Airplane-----	West Pacific-----		1		Hawaii.
<i>Trapezonotus arenarius</i> (L.) (Lygaeidae):					
Moss-----	Norway-----	1			N. Y.
<i>Trialeurodes lauri</i> (Sign.) (Aleyrodidae):					
<i>Laurus nobilis</i> (Grecian laurel)-----	Italy-----		1		N. Y.
<i>Trialeurodes vaporariorum</i> (Westw.) (Aleyrodidae):					
<i>Persea americana</i> (avocado)-----	Mexico-----	1			Tex.
<i>Ruta graveolens</i> (rue)-----	do-----	1		1	Tex.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
<i>Saccharum spontaneum</i> -----	Japan-----			1	D. C.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
<i>Oryza sativa</i> (rice)-----	Brazil (?), Formosa, Hong Kong, India, Kuwait, Straits Settlements.-----		16		Ala., Hawaii, Md., Pa., Va.
<i>Phaseolus aureus</i> (mung bean)-----	Pakistan-----			1	D. C.
<i>Sorghum vulgare</i> (sorghum)-----	do-----			1	D. C.
<i>Triticum aestivum</i> (wheat)-----	Formosa-----		1		Hawaii.
<i>Trogoderma includum</i> LeConte (Dermestidae):					
<i>Cucurbita maxima</i> (squash)-----	Cuba-----	1			Fla.*
<i>Trogoderma parvum</i> Beal (Dermestidae):					
<i>Gossypium</i> sp. (cottonseed)-----	Mexico-----	1			Calif.
<i>Oryza sativa</i> (rice)-----	Iran-----	1			N. Y.
<i>Tulipa</i> sp. (tulip)-----	Netherlands-----			1	Ill.
<i>Trogoderma sternale</i> Jayne ssp. (Dermestidae):					
Flour-----	Mexico-----	1			Calif.
<i>Trogoxylon impressum</i> (Com.) (Lyctidae):					
<i>Quercus</i> sp. (oak)-----	Morocco-----	1			Pa.
<i>Tyrophagus infestans</i> (Berl.) (Acaridae):					
Soil on kaki persimmon plants-----	Italy-----			1	Mass.
Soil with shamrock plants-----	Ireland-----			1	Mass.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Venezuela-----		1		Fla.*
<i>Citrus paradisi</i> (grapefruit)-----	Japan-----		1		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)-----	do-----		1		Calif.*
<i>Citrus sinensis</i> (orange)-----	Cuba, Japan, Mexico-----	1	2		Calif.*

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<i>Unaspis euonymi</i> (Comst.) (Coccidae):					
<i>Euonymus sieboldianus</i>	Japan.....	---	---	1	Calif.*
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantium</i> (sour orange).....	...do.....	---	3	---	Calif.*
<i>Citrus limon</i> (lemon).....	...do.....	---	2	---	Calif.*
<i>Citrus paradisi</i> (grapefruit).....	...do.....	---	1	---	Calif.*
<i>Citrus reticulata</i> (Mandarin orange).....	China, Japan.....	5	28	---	Calif.*
					Hawaii,
					Minn.
<i>Citrus reticulata unshiu</i> (satsuma orange).....	Japan.....	1	---	---	Hawaii.
<i>Citrus sinensis</i> (orange).....	...do.....	2	25	---	Calif.*
					Hawaii,
					Pa.
<i>Vanessa indica</i> (Hbst.) (Nymphalidae):					
Airplane.....	...do.....	---	1	---	Hawaii.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Aspasia principissa</i> (orchid).....	Canal Zone.....	---	---	1	Fla.
<i>Brassavola nodosa</i> (orchid).....	Jamaica.....	---	---	1	Fla.
<i>Brassia caudata</i> (orchid).....	...do.....	---	---	1	N. J.
<i>Broughtonia</i> sp. (orchid).....	Cuba, Jamaica.....	---	---	15	Fla., N. J.
<i>Camaridium</i> sp. (orchid).....	Trinidad.....	---	---	1	Fla.
<i>Catasetum</i> sp. (orchid).....	Canal Zone.....	---	---	1	Fla.
<i>Epidendrum anceps</i> (orchid).....	...do.....	---	---	1	Fla.
<i>Epidendrum citiare</i>do.....	---	---	1	Calif.*
<i>Epidendrum</i> sp.....	British Honduras, Canal Zone.....	---	---	3	Fla., N. J.
<i>Garcinia</i> sp.....	Canal Zone.....	---	---	1	Fla.
<i>Gongora</i> sp. (orchid).....	...do.....	---	---	1	Fla.
<i>Macradenia</i> sp. (orchid).....	...do.....	---	---	1	Hawaii.
<i>Miltonia</i> sp. (orchid).....	Canal Zone, Panama.....	---	---	2	Fla.,
					Hawaii.
<i>Oncidium auriferum</i> (orchid).....	Canal Zone.....	---	---	1	Fla.
<i>Oncidium</i> sp.....	...do.....	---	---	2	Fla., N. J.
Orchid.....	Antigua, Bahamas, British Guiana, British Honduras, Canal Zone, Costa Rica, Guatemala, Jamaica, Panama, Puerto Rico, Salva- dor, Trinidad.....	1	---	22	Calif.*; Fla
<i>Phajus</i> sp. (orchid).....	Jamaica.....	---	---	1	Fla.
<i>Strelitzia reginae</i> (bird-of-paradise).....	Haiti.....	1	---	---	Fla.*
<i>Tillandsia</i> sp.....	Trinidad.....	---	---	1	Fla.
<i>Xylobiops parilis</i> Lesne (Bostrichidae):					
Log.....	Mexico.....	1	---	---	Ariz.
<i>Xylobiops texanus</i> (Horn) (Bostrichidae):					
<i>Ananas comosus</i> (pineapple).....	...do.....	1	---	---	Tex.
<i>Cercidium floridum</i> (paloverde).....	...do.....	---	---	1	Tex.
<i>Xylosandrus germanus</i> (Bldfd.) (Scolytidae):					
<i>Camellia sinensis</i> (tea).....	Japan.....	---	---	1	D. C.
<i>Zeadiatraea lineolata</i> (Wlk.) (Crambidae):					
<i>Zea mays</i> (corn).....	Venezuela.....	---	1	---	Pa.
<i>Zonitoides arboreus</i> (Say) (Mollusca):					
<i>Cattleya</i> sp. (orchid).....	Hawaii.....	---	---	1	Hawaii.
<i>Macadamia</i> sp.....	...do.....	1	---	---	Hawaii.
Soil with anthurium plants.....	...do.....	---	---	1	S. C.
<i>Zophodia convolutella</i> (Hbn.) (?) (Phycitidae):					
<i>Ribes</i> sp. (gooseberry).....	Sweden.....	1	---	---	N. Y.

Hosts and Insects

ABIES:

Blastophagus piniperda (Coleoptera)

ACER:

Aceria macrochelus (Acarina)

Pentatrachopus fragaefolii (Homoptera)

Periphyllus californiensis (Homoptera)

ACHRAS:

Anastrepha serpentina (Diptera)

ACTINOPHLOEUS:

Dacus dorsalis (Diptera)

AGARICUS:

Nemopogon granella (Lepidoptera)

ALLIUM ASCALONICUM:

Myzus ascalonicus (Homoptera)

ALLIUM PORRUM:

Acrolepis assectella (Lepidoptera)

Deroceras reticulatum (Mollusca)

Glycyphagus domesticus (Acarina)

ALLIUM SATIVUM:

Aglossa cuprealis (Lepidoptera)

Brachycerus albidentatus (Coleoptera)

Brachycerus algius (Coleoptera)

Dyspessa ulula (Lepidoptera)

Phyrdenus divergens (Coleoptera)

ALPINIA:

Bradybaena similis (Mollusca)

Coccus viridis (Homoptera)

Puleinaria psidii (Homoptera)

AMHERSTIA:

Aspidiotus diffinis (Homoptera)

ALYXIA:

Cercoplastes rubens (Homoptera)

AMARANTHUS:

Pachyzancla bipunctalis (Lepidoptera)

AMMI:

Systole geniculata (Hymenoptera)

ANANAS:

Agroiconota propinqua (Coleoptera)

Alpheias conspirata (Lepidoptera)

Blissus leucopertus insularis (Hemiptera)

Brevipalpus phoenicis (Acarina)

Eutheola bidentata (Coleoptera)

Ribua innoxia (Lepidoptera)

"Targionia" bromiliae (Homoptera)

Thecla ziba (Lepidoptera)

Xylobiops texanus (Coleoptera)

ANDROPOGON:

Nysius vinitor (Hemiptera)

ANNONA:

Bephrata maculicollis (Hymenoptera)

Ceratitis capitata (Diptera)

Cerconota anonella (Lepidoptera)

Iridomyrmex humilis (Hymenoptera)

Pseudococcus lilacinus (Homoptera)

Talponia batesi (Lepidoptera)

ANTHURIUM:

Bradybaena similis (Mollusca)

Ceroplastes rubens (Homoptera)

Puleinaria psidii (Homoptera)

ANTIRRHINUM:

Prodenia ornithogalli (Lepidoptera)

APIUM:

Acidia heraclei (?) (Diptera)

Anuraphis tulipae (Homoptera)

Deroceras reticulatum (Mollusca)

Mamestra brassicae (Lepidoptera)

ARACHIS:

Caryedon fuscus (?) (Coleoptera)

ARCTOSTAPHYLOS:

Gynaikothrips ficorum (Thysanoptera)

ARCTOTIS:

Microcephalothrips abdominalis (Thysanoptera)

ASPASIA:

Vinsonia stellifera (Homoptera)

ASTER:

Frankliniella intonsa (Thysanoptera)

Taeniothrips atratus (Thysanoptera)

BAMBOO:

Asterolecanium milaris robustum (Homoptera)

Chaetolococcus bambusae (Homoptera)

BETA:

Gnorimoschema ocellatella (Lepidoptera)

Lixus junci (Coleoptera)

Theba pisana (Mollusca)

BRASSAVOLA:

Furcaspis biformis (Homoptera)

Vinsonia stellifera (Homoptera)

BRASSIA:

Tenthecoris distinguendus (Hemiptera)

Vinsonia stellifera (Homoptera)

BRASSICA NAPOBRASSICA:

Ceutorhynchus pleurostigma (Coleoptera)

BRASSICA OLERACEA BOTRYTIS:

Deroceras reticulatum (Mollusca)

Evergestis rimosalis (Lepidoptera)

Mamestra brassicae (Lepidoptera)

Phytomyza rufipes (Diptera)

Pieris brassicae (Lepidoptera)

BRASSICA OLERACEA BULLATA:

Deroceras reticulatum (Mollusca)

BRASSICA OLERACEA CAPITATA:

Deroceras reticulatum (Mollusca)

Limax marginatus (Mollusca)

Limax maximus (Mollusca)

Mamestra brassicae (Lepidoptera)

Phytomyza rufipes (Diptera)

Pieris brassicae (Lepidoptera)

BRASSICA OLERACEA GONGYLODES:

Phytomyza rufipes (Diptera)

BRASSICA RAPA:

Helitula undatis (Lepidoptera)

Helophorus rugosus (Coleoptera)

Phytomyza rufipes (Diptera)

BROMELIAD:

Cryphula apicalis (Hemiptera)

Furcaspis biformis (Homoptera)

Galyptha punctifer (Hemiptera)

BROUGHTONIA:

Vinsonia stellifera (Homoptera)

BUXUS:

Eriophyes canestrinii (Acarina)

Psylla buxi (Homoptera)

CACTUS:

Aufesius impressicollis (Hemiptera)

Lepidosaphes philococcus (Homoptera)

Orthezia cacticola (Homoptera)

Texananus spatulatus (Homoptera)

CAJANUS:

Acanthoscelides armitagei (Coleoptera)

Ancylostomia stercora (Lepidoptera)

Callosobruchus phaseoli (Coleoptera)

Chalcodermus aeneus (Coleoptera)

Maruca testulalis (Lepidoptera)

CALLUNA:

Gelechia ericetella (Lepidoptera)

Micrelus ericae (Coleoptera)

Orthotylus ericetorum (Hemiptera)

Taeniothrips atratus (Thysanoptera)

Taeniothrips ericae (Thysanoptera)

Thrips flavus (Thysanoptera)

CALOCARPUM:

Anastrepha ludens (?) (Diptera)

Anastrepha serpentina (Diptera)

CALOPHYLLUM:

Dacus dorsalis (?) (Diptera)

CAMARIDIUM:

Vinsonia stellifera (Homoptera)

CAMELLIA:

Aspidiotus degeneratus (Homoptera)

Brevipalpus inornatus (Acarina)

Lepidosaphes tubulorum (Homoptera) (As de-

fin'd by Kuwana)

Parlatoria camelliae (Homoptera)

Xylodendrus germanus (Coleoptera)

CANAVALLIA:

Lampides boeticus (Lepidoptera)

Maruca testulalis (Lepidoptera)

CAPSICUM:

Dacus cucurbitae (Diptera)

Epinotia aporema (Lepidoptera)

Gnorimoschema gudmannella (Lepidoptera)

Neoleucinodes elegantalis (Lepidoptera)

Pachyzancla perusalis (Lepidoptera)

Phenacoccus parvus (Homoptera)

Platynota rostrana (Lepidoptera)

Pyrausta nubilalis (Lepidoptera)

CASIMIROA:

Anastrepha ludens (Diptera)

Hosts and Insects—Continued

- CASSIA:
Aganactes indecora (Lepidoptera)
Carydon fuscus (Coleoptera)
Fundella pellucens (Lepidoptera)
- CASTANEA:
Curculio elephas (Coleoptera)
Hemimene juliana (Lepidoptera)
Laspeyresia splendana (Lepidoptera)
- CATASETUM:
Deroceras reticulatum (Mollusca)
Limax marginatus (Mollusca)
Vinsonia stellifera (Homoptera)
- CATTLEYEA:
Farinococcus guatemalensis (Homoptera)
Furcaspis bififormis (Homoptera)
Helix aspersa (Mollusca)
Lamellaris gracilis (Mollusca)
Pseudischnaspis alienus (Homoptera)
Zonitoides arboreus (Mollusca)
- CERATONIA:
Ectomyelois ceratoniae (Lepidoptera)
- CERCIDIUM:
Xylobiops texanus (Coleoptera)
- CHAMAEDOREA:
Caulophilus latinus (Coleoptera)
Chrysomphalus sphaeroides (Homoptera)
Coelonertus nigrirostris (Coleoptera)
Metriona erratica angularis (Coleoptera)
- CHRYSLIDOCARPUS:
Coccotrypes carpophagus (Coleoptera)
- CHRYSANthemUM:
Anuraphis cardui (Homoptera)
Frankliniella bispinosa (Thysanoptera)
Frankliniella formosae (Thysanoptera)
Homoeosoma electellum (Lepidoptera)
Microcephalothrips abdominalis (Thysanoptera)
- CICHORIUM:
Deroceras reticulatum (Mollusca)
Phytomyza rufipes (Diptera)
- CINNAMOMUM:
Protopulvinaria pyrififormis (Homoptera)
- CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Coccus viridis (Homoptera)
Dysdercus mimus (Hemiptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Pseudischnaspis bowreyi (Homoptera)
Unaspis citri (Homoptera)
- CITRUS AURANTIUM:
Unaspis yanonensis (Homoptera)
- CITRUS AURANTIUM VAR.:
Aleurotuberculatus auctubae (Homoptera)
- CITRUS GRANDIS:
Glycyphagus domesticus (Acarina)
Parlatoria zizyphus (Homoptera)
- CITRUS LIMON:
Ceratitidis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
- CITRUS LIMON VAR. PONDEROSA:
Anastrepha ludens (Diptera)
- CITRUS PARADISI:
Anastrepha ludens (Diptera)
Ceratitidis capitata (Diptera)
Parlatoria cinerea (Homoptera)
Pseudonidia trilobitiformis (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
- CITRUS RETICULATA:
Anastrepha ludens (Diptera)
Ceratitidis capitata (Diptera)
Chrysomphalus bifasciculatus (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
- CITRUS RETICULATA UNSHIU:
Unaspis yanonensis (Homoptera)
- CITRUS SINENSIS:
Anastrepha ludens (Diptera)
Ceratitidis capitata (Diptera)
- Chrysomphalus bifasciculatus* (Homoptera)
Chrysomphalus personatus (Homoptera)
Dialeurodes citri (Homoptera)
Exptochiomeria confusa (Hemiptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
- CITRUS SP:
Aleurocanthus woglumi (Homoptera)
- COCOS:
Aspidiotus destructor (Homoptera)
Diocalandra taitensis (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Pinnaspis buxi (Homoptera)
Pseudococcus palmarum (Homoptera)
Pseudococcus palmarum oceanicus (Homoptera)
- CODIAEUM:
Aleuroplatus mammaeferus (Homoptera)
Lepidosaphes tokionis (Homoptera)
Pantomorus godmani (Coleoptera)
Parlatoria crotonis (Homoptera)
- COFFEA:
Ceratitidis capitata (Diptera)
Dacus dorsalis (Diptera)
Leucoptera coffeella (Lepidoptera)
Protopulvinaria pyrififormis (Homoptera)
Stephanoderes hampei (Coleoptera)
- COLOCASIA:
Bradybaena similis (Mollusca)
- COLUTEA:
Bruchophagus coluteae (Hymenoptera)
- CONOSPERMUM:
Asterolecanium petrophilae (Homoptera)
- COPAIFERA:
Platypus rufulosus (Coleoptera)
- CORDYLINAE:
Bradybaena similis (Mollusca)
Deroceras reticulatum (Mollusca)
Pantomorus godmani (Coleoptera)
Pinnaspis buxi (Homoptera)
Plusia chalcites (Lepidoptera)
- CORYLUS:
Curculio nucum (Coleoptera)
- CRATAEGUS:
Ceratitidis capitata (Diptera)
Lecanium corni (Homoptera)
- CUCUMIS:
Dacus cucurbitae (?) (Diptera)
Deroceras reticulatum (Mollusca)
- CUCURBITA:
Dacus ciliatus (Diptera)
Ogdococta catenulata (Coleoptera)
Tetranychus cinnabarinus (Acarina)
Trogoderma inclusum (Coleoptera)
- CYCNOCHES:
Puto ulter (Homoptera)
- CYDONIA:
Anastrepha ludens (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
Euzophera bigella (?) (Lepidoptera)
- GYMBIDIUM:
Lepidosaphes tuberculata (Homoptera)
- CYNARA:
Anuraphis cardui (Homoptera)
- CYTISUS:
Bryobia sarothamni (Acarina)
Sparticus villosus (Coleoptera)
- DAPHNE:
Tetranychus telarius (Acarina)
- DAUCUS:
Deroceras reticulatum (Mollusca)
- DELONIX:
Ectomyelois ceratoniae (Lepidoptera)
- DENDROBIUM:
Aspidiotus australiensis (Homoptera)
Nezara viridula (Hemiptera)
Siphanta acuta (Homoptera)
- DIANTHUS:
Nezara viridula (Hemiptera)
Taeniothrips atratus (Thysanoptera)
Tetranychus telarius (Acarina)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)

Hosts and Insects—Continued

DIANTHUS—Continued

Thrips major (Thysanoptera)

DIEFFENBACHIA:

Bradybaena similis (Mollusca)

Ceroplastes rubens (Homoptera)

Macropygium reticulare (Hemiptera)

DIOSCOREA:

Palaeopus costicollis (Coleoptera)

Protopulvinaria longivalata (Homoptera)

"*Targionia*" *hartii* (Homoptera)

DIOSPYROS:

Ceratitis capitata (Diptera)

DOLICHOS:

Lampides boeticus (Lepidoptera)

ENTEROLOBIUM:

Ectomyelois muriscis (Lepidoptera)

EPIDENDRUM:

Asterolecanium epidendri (Homoptera)

Cryphula fasciatus (Hemiptera)

Deroceras reticulatum (Mollusca)

Eurytoma orchidearum (Hymenoptera)

Furcaspis biformis (Homoptera)

Pantomorus godmani (Coleoptera)

Tenthecoris distinguendus (Homoptera)

Vinsonia stellifera (Homoptera)

ERICA:

Arctothezia cataphracta (Homoptera)

Taeniothrips ericae (Thysanoptera)

Tetralicia ericae (Homoptera)

ERIOBOTRYA:

Ceratitis capitata (Diptera)

EUGENIA:

Anastrepha mombinpraeoptans (Diptera)

Dacus dorsalis (Diptera)

EUONYMUS:

Unaspis euonymi (Homoptera)

EUPHORBIA:

Ferrisia virgata (Homoptera)

EURYA:

Pulvinaria floccifera (Homoptera)

FAGUS:

Reticulitermes flavipes (Isoptera)

FICUS:

Ceratitis capitata (Diptera)

Ceroplastes rusci (Homoptera)

Dacus dorsalis (?) (Diptera)

Iridomyrmex humilis (Hymenoptera)

FORSYTHIA:

Dialeurodes citri (Homoptera)

FRAGARIA:

Deroceras reticulatum (Mollusca)

GARCINIA:

Vinsonia stellifera (Homoptera)

GARDENIA:

Ceroplastes rubens (Homoptera)

Coccus viridis (Homoptera)

Dialeurodes citri (Homoptera)

Dialeurodes kirkaldyi (Homoptera)

Pealius hibisci (Homoptera)

Protopulvinaria pyriformis (Homoptera)

Pulvinaria psidii (Homoptera)

Taeniothrips hawaiiensis (Thysanoptera)

GESNERIACEAE:

Phenacoccus solani (Homoptera)

GLADIOLUS:

Frankliniella formosae (Thysanoptera)

Frankliniella occidentalis (Thysanoptera)

GONGORA:

Vinsonia stellifera (Homoptera)

GOSSYPIUM:

Coptotermes formosanus (Isoptera)

Mescinia peruella (Lepidoptera)

Pectinophora gossypiella (Lepidoptera)

Sacadodes pyralis (Lepidoptera)

Suidasia medanensis (Acarina)

Tetranychus desertorum (Acarina)

Trogoderma parabole (Coleoptera)

GRAMMATOPHYLLUM:

Monomorium destructor (Hymenoptera)

HELICONIA:

Pentalonia nigronervosa (Homoptera)

HIBISCUS:

Adoretus sinicus (Coleoptera)

Pectinophora gossypiella (Lepidoptera)

HYMENOCALLIS:

Brithys pancratii (Lepidoptera)

IPOMOEA:

Cylas formicarius ssp. (Coleoptera)

Cylas formicarius var. (Coleoptera)

Cylas formicarius elegantulus (Coleoptera)

Cylas formicarius formicarius (Coleoptera)

Cylas puncticollis (Coleoptera)

Euscepes postfasciatus (Coleoptera)

Palaeopus costicollis (Coleoptera)

IRIS:

Anuraphis tulipae (Homoptera)

JASMINUM:

Dialeurodes kirkaldyi (Homoptera)

JUGLANS:

Ectomyelois ceratoniae (Lepidoptera)

JUNCUS:

Nipponaclera biwakoensis (Homoptera)

JUNIPERUS:

Pentamerismus coronatus (Acarina)

Pentamerismus oregonensis (Acarina)

LACAENA:

Tenthecoris bicolor (Hemiptera)

LACTUCA:

Arion circumscriptus (Mollusca)

Deroceras reticulatum (Mollusca)

Helix aperta (Mollusca)

Mamestra brassicae (Lepidoptera)

LANSIUM:

Pseudococcus lilacinus (Homoptera)

LATHYRUS:

Frankliniella intonsa (Thysanoptera)

Taeniothrips atratus (Thysanoptera)

Thrips flavus (Thysanoptera)

Thrips major (Thysanoptera)

LAURUS:

Trialeurodes lauri (Homoptera)

LAYANDULA:

Frankliniella intonsa (Thysanoptera)

Taeniothrips atratus (Thysanoptera)

LENS:

Bruchus erri (Coleoptera)

Bruchus lentis (Coleoptera)

Bruchus signaticornis (Coleoptera)

LEUCAENA:

Araecerus levipennis (Coleoptera)

LILIACEAE:

Helix aspersa (Mollusca)

Limax marginatus (Mollusca)

LILIUM:

Bradybaena similis (Mollusca)

Deroceras reticulatum (Mollusca)

Haplothrips gowdeyi (Thysanoptera)

Pheidole megacephala (Hymenoptera)

LINUM:

Theba pisana (Mollusca)

LITCHI:

Coccus acutissimus (Homoptera)

Fiorinia nephelii (Homoptera)

Leucaspis cockerelli (Homoptera)

Pulvinaria psidii (Homoptera)

LONCHOCARPUS:

Dinoderus bifoveolatus (Coleoptera)

LONICERA:

Rhopalosiphum crataegellum (Homoptera)

LYCASTE:

Deroceras reticulatum (Mollusca)

Limax marginatus (Mollusca)

Monomorium destructor (Hymenoptera)

LYCOPERSICON:

Blissus leucopterus insularis (Hemiptera)

Dacus cucurbitae (Diptera)

MACADAMIA:

Cryptophlebia illepidia (Lepidoptera)

Zonitoides arboreus (Mollusca)

MACRADENIA:

Vinsonia stellifera (Homoptera)

MALUS:

Anastrepha ludens (Diptera)

Argyresthia conjugella (Lepidoptera)

Carposina sasakii (Lepidoptera)

Ectomyelois ceratoniae (Lepidoptera)

Lecanium corni (Homoptera)

Pseudococcus comstocki (Homoptera)

Hosts and Insects—Continued

MALUS—Continued

Psylla mali (?) (Homoptera)*Rhagoletis cerasi* (Diptera)

MAMMEA:

Anastrepha serpentina (Diptera)

MANGIFERA:

Anastrepha ludens (Diptera)*Anastrepha mombinpraeopans* (Diptera)*Aulacaspis mangiferae* (Homoptera)*Dacus dorsalis* (Diptera)*Pseudischynaspis longissima* (Homoptera)*Sternochetus mangiferae* (Coleoptera)

MENTHA:

Phorodon menthae (Homoptera)

MILTONIA:

Vinsonia stellifera (Homoptera)

MONSTERA:

Cactophagus validirostris (Coleoptera)

MUSA:

Cosmopolites sordidus (Coleoptera)*Epilachna paenulata* (Coleoptera)*Epilachna paenulata* var. (Coleoptera)*Metamasius sericeus* (Coleoptera)*Porphyrobaphis iostoma* (Mollusca)

MUSCARI:

Bouhelia maroccana (Homoptera)

MUSSAENDA:

Pseudococcus lilacinus (Homoptera)

MYOPORUM:

Brevipalpus inornatus (Acarina)

NARCISSUS:

Lampetia equestris (Diptera)*Limothrips cerealium* (Thysanoptera)*Stenotarsonemus laticeps* (Acarina)*Thrips flavus* (Thysanoptera)

NERIUM:

Ferrisia virgata (Homoptera)*Pulvinaria psidii* (Homoptera)

NIPA:

Aspidiotus destructor (Homoptera)

OLEA:

Dacus oleae (Diptera)*Prays oleellus* (Lepidoptera)

ONCIDIUM:

Brevipalpus oncidii (Acarina)*Furcaspis biformis* (Homoptera)*Limax marginatus* (Mollusca)*Puto ulter* (Homoptera)*Vinsonia stellifera* (Homoptera)

ONONIS:

Bruchophagus ononis (?) (Hymenoptera)

OPERCULINA:

Bradybaena similaris (Mollusca)*Megacerus alternatus* (Coleoptera)

OPUNTIA:

Ceratitidis capitata (Diptera)

ORBIGNYA:

Caulophilus latinasus (Coleoptera)

ORCHID:

Artipus griseus (Coleoptera)*Asterolecanium epidendri* (Homoptera)*Calligrapha diversa* (Coleoptera)*Capaneus tetricus* (Hemiptera)*Cephaloleia atriceps* (Coleoptera)*Chalepus omiger* (Coleoptera)*Cligenes delineata* (Hemiptera)*Deroceras reticulatum* (Mollusca)*Diorymerellus laevimargo* (Coleoptera)*Epilachna mexicana* (Coleoptera)*Eryptochioma albomaculata* (Hemiptera)*Eryptochioma oblonga* (Hemiptera)*Ferrisia virgata* (Homoptera)*Furcaspis biformis* (Homoptera)*Galgupha punctifer* (Hemiptera)*Iridomyrmex iniquus* (Hymenoptera)*Limax marginatus* (Mollusca)*Limax maximus* (Mollusca)*Lygaeus pulchellus* (Hemiptera)*Mecolaemus carvalhoi* (?) (Hemiptera)*Monanthia monotropidia* (Hemiptera)*Monomorium destructor* (Hymenoptera)*Nasutitermes columbicus* (Isoptera)*Nasutitermes corniger* (Isoptera)*Neosteingelia terana* (Homoptera)*Necropsis hieroglyphica* (Lepidoptera)*Paromius longulus* (Hemiptera)*Pheidole megacephala* (Hymenoptera)*Plagiadera semivittata* (Coleoptera)*Plagiadera thymaloides* (Coleoptera)*Puto ulter* (Homoptera)*Tenthecoris angustimarginatus* (Hemiptera)*Tenthecoris bicolor* (Hemiptera)*Tenthecoris confusus* (Hemiptera)*Tenuipalpus pacificus* (Acarina)*Termes panamaensis* (Isoptera)*Vinsonia stellifera* (Homoptera)

ORNITHOGALUM:

Epichorista ionephela (Lepidoptera)

ORYZA:

Chilo suppressalis (Lepidoptera)*Trogoderma granarium* (Coleoptera)*Trogoderma parabile* (Coleoptera)

OSMANTHUS:

Chrysomphalus bifasciculatus (Homoptera)

PALM:

Chrysomphalus bifasciculatus (Homoptera)

PASSIFLORA:

Iridomyrmex humilis (Hymenoptera)*Pseudococcus lilacinus* (Homoptera)

PELARGONIUM:

Limax marginatus (Mollusca)

PEPEROMIA:

Parthenothrips dracaenae (Thysanoptera)

PERSEA:

Aspidiotus destructor (Homoptera)*Ceratitidis capitata* (Diptera)*Conotrachelus aguacatae* (Coleoptera)*Heilipus lauri* (Coleoptera)*Stenoma catenifer* (Lepidoptera)*Trialeurodes vaporariorum* (Homoptera)

PHAEOMERIA:

Hyalopeplus pellucidus (Hemiptera)

PHAJUS:

Adoretus sinicus (Coleoptera)*Vinsonia stellifera* (Homoptera)

PHASEOLUS:

Callosobruchus phaseoli (Coleoptera)*Epinotia aporema* (Lepidoptera)*Evers comyntas* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Trogoderma granarium* (Coleoptera)

PHILODENDRON:

Chrysomphalus sphaeroides (Homoptera)*Deroceras reticulatum* (Mollusca)*Eryptochioma confusa* (Hemiptera)

PHYSALIS:

Heliothis subflexa (Lepidoptera)

PINUS:

Blastophagus piniperda (Coleoptera)*Dichocrocis punctiferalis* (Lepidoptera)*Ernobius mollis* (Coleoptera)*Hylurgops palliatus* (Coleoptera)*Pityogenes chalcographus* (Coleoptera)*Pseudococcus pinii* (Homoptera)

PISTACIA:

Megastigmus pistaciae (Hymenoptera)

PISUM:

Acanthoscelides armigaei (Coleoptera)*Ancylostomia stercorea* (Lepidoptera)*Fundella pellucens* (Lepidoptera)*Lampides boeticus* (Lepidoptera)*Laspeyresia nigricana* (Lepidoptera)

PLUMERIA:

Coccus viridis (Homoptera)*Conotelus mexicanus* (Coleoptera)*Pulvinaria psidii* (Homoptera)*Taeniothrips hawaiiensis* (Thysanoptera)

POLIANTHES:

Taeniothrips hawaiiensis (Thysanoptera)

POLYSCIAS:

Phenacoccus gossypii (Homoptera)

PROSOPIS:

Dendrobiella aspera (Coleoptera)

PRUNUS AMYGDALUS:

Aspidiotus destructor (Homoptera)*Ectomyelois ceratoniae* (Lepidoptera)

PRUNUS ARMENIACA:

Ceratitidis capitata (Diptera)*Ischnodemus diplopterus* (Hemiptera)*Porthetria dispar* (Lepidoptera)

Hosts and Insects—Continued

- PRUNUS DOMESTICA:**
Ceratitis capitata (Diptera)
Megalometis chiliensis (Coleoptera)
- PRUNUS PERSICA:**
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
Eulia auraria (?) (Lepidoptera)
Grapholitha molesta (Lepidoptera)
Ischnodemus diplopterus (Hemiptera)
- PRUNUS PERSICA NECTARINA:**
Eulia auraria (?) (Lepidoptera)
Euzoa lutescens (Lepidoptera)
- PRUNUS SP. (cherry):**
Ceratitis capitata (Diptera)
Rhagoletis cerasi (Diptera)
Rhagoletis cingulata (Diptera)
- PSIDIUM:**
Aleurathrix floccosus (Homoptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha striata (Diptera)
Anastrepha suspensa (Diptera)
Ceratitis capitata (?) (Diptera)
Dacus dorsalis (Diptera)
Selenothrips rubrocinctus (Thysanoptera)
- PUNICA:**
Ceratitis capitata (?) (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
- PYRUS:**
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
- PACHYRHIZUS:**
Heterotermes aureus (Isoptera)
- QUERCUS:**
Curculio elephas (Coleoptera)
Curculio q-griseae (Coleoptera)
Dryocotes villosus (Coleoptera)
Lyctus brunneus (Coleoptera)
Scobicia cherrieri (Coleoptera)
Trogoryon impressum (Coleoptera)
- RAPHANUS:**
Ceutorhynchus erysimi (Coleoptera)
Helvula undalis (Lepidoptera)
- RHODODENDRON:**
Brevipalpus inornatus (Acarina)
Deroceras reticulatum (Mollusca)
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleae (Lepidoptera)
Masonaphis rhododendri (Homoptera)
Phenacoccus azaleae (Homoptera)
- RIBES:**
Zophodia convolutella (?) (Lepidoptera)
- RODRIGUEZIA:**
Tenthecoris distinguendus (Hemiptera)
- ROSA:**
Ardis sulcata (Hymenoptera)
Arge ochropa (Hymenoptera)
Bryobia cristata (Acarina)
Cladius isomerus (Hymenoptera)
Cladius pectinicornis (Hymenoptera)
Deroceras reticulatum (Mollusca)
Endelomyia aethiops (Hymenoptera)
Frankliniella intonsa (Thysanoptera)
Pentatrichopus tetralodius (?) (Homoptera)
Platynota rostrana (?) (Lepidoptera)
Rhagoletis basiola (Diptera)
Sitona lineata (Coleoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips vulgarissimus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
- RUBUS:**
Asterobemis carpini (Homoptera)
- RUTA:**
Trialeurodes vaporariorum (Homoptera)
- SACCHARUM:**
Trionymus sacchari (Homoptera)
Chilo loftini (Lepidoptera)
Ischnodemus saccharinoris (Hemiptera)
Opogona subcervinella (Lepidoptera)
Spanagonicus albofasciata (Hemiptera)
"Targionia" sacchari (Homoptera)
- SAMBUCUS:**
Rhopalophora incrustata (Coleoptera)
- SANSEVERIA:**
Aglossa cuprealis (Lepidoptera)
- SCHOMBURGKIA:**
Nasutitermes nigriceps (Isoptera)
- SEDUM:**
Chrysomphalus nigropunctatus (Homoptera)
- SESBANIA:**
Maruca testulalis (Lepidoptera)
- SOIL:**
Brachyrhinus cratus (Coleoptera)
Deroceras reticulatum (Mollusca)
Glycyphagus domesticus (Acarina)
Opogona subcervinella (Lepidoptera)
Tyrophagus infestans (Acarina)
Zonitoides arboreus (Mollusca)
- SOLANUM ANDIGENUM:**
Glycyphagus domesticus (Acarina)
- SOLANUM MELONGENA:**
Blissus leucopterus (Hemiptera)
Leucinodes orbonalis (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
- SOLANUM TUBEROSUM:**
Epicaerus cognatus (Coleoptera)
Reticulitermes flavipes (Isoptera)
- SOLANUM (?) SP.:**
Neoleucinodes elegantalis (Lepidoptera)
- SORBUS:**
Argyresthia conjugella (Lepidoptera)
- SORGHUM:**
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
Trogoderma granarium (Coleoptera)
- SPARTIUM:**
Sparteus villosus (?) (Coleoptera)
- SPATHOGLOTTIS:**
Ferrisia virgata (Homoptera)
- SPONDIAS:**
Anastrepha mombinpraeoptans (Diptera)
- STRELITZIA:**
Bradybaena similis (Mollusca)
Pentalonia nigronervosa (Homoptera)
Vinsonia stellifera (Homoptera)
- SYRINGA:**
Adorophyes orana (Lepidoptera)
- TAMARINDUS:**
Caryedon fuscus (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
- TERMINALIA:**
Anastrepha mombinpraeoptans
- THEOBROMA:**
Phenacoccus gossypii (Homoptera)
- TIGRIDIA:**
Anuraphis tulipae (Homoptera)
- TILLANDSIA:**
Calligrapha diversa (Coleoptera)
Eptochiomeria albomaculata (Hemiptera)
Furcaspis bifurcata (Homoptera)
Galgupha tezana (Hemiptera)
Monanthia monotropidia (Hemiptera)
Vinsonia stellifera (Homoptera)
- TRIFOLIUM:**
Adelphocoris seticornis (Hemiptera)
Hypera nigristrois (Coleoptera)
- TRITICUM:**
Trogoderma granarium (Coleoptera)
- TULIPA:**
Anuraphis tulipae (Homoptera)
Rhopalosiphonius tulipae (Homoptera)
Trogoderma parvipes (Coleoptera)
- ULMIUS:**
Scolytus multistriatus (Coleoptera)
- VANDA:**
Bradybaena similis (Mollusca)
Conotus mexicanus (Coleoptera)
Deroceras reticulatum (Mollusca)
Monomorium destructor (Hymenoptera)
Nysius consociatus (Hemiptera)
Orethodiplosis aterrimus (Coleoptera)
Parlatoria pseudaspisidius (Homoptera)
Plusia chalcites (?) (Lepidoptera)
Siphanta acuta (Homoptera)
Teleonemia scrupulosa (Hemiptera)

Hosts and Insects—Continued

VICIA:

- Bruchus luteicornis* (Coleoptera)
Bruchus tristis (Coleoptera)

VIGNA:

- Fundella pellucens* (Lepidoptera)

VITIS:

- Antispila rivillei* (?) (Lepidoptera)
Carbula luteatrix (Hemiptera)
Ceratitis capitata (Diptera)
Chelymorpha varians (Coleoptera)
Cletus caffer (Hemiptera)
Cletus ochraceus (Hemiptera)
Conoderus rufangulus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Leptoglossus chilensis (Hemiptera)

- Listroderes costirostris obliquus* (Coleoptera)

- Naupactus xanthographus* (Coleoptera)

- Neotermes chilensis* (Isoptera)

- Nezara viridula* (Hemiptera)

- Phlyctinus callosus* (Coleoptera)

ZANTEDESCHIA:

- Frankliniella occidentalis* (Thysanoptera)

ZEA:

- Chilo loftini* (Lepidoptera)

- Moodna bisinuella* (Lepidoptera)

- Pagiocerus fiorii* (Coleoptera)

- Zeadiatraea lineolata* (Lepidoptera)

ZINGIBER:

- Monomorium destructor* (Hymenoptera)

- Pentalonia nigronervosa* (Homoptera)

Hosts Unknown

AIRPLANE:

Crambus ligonellus (Lepidoptera)
Dacus dorsalis (Diptera)
Diaphania indica (Lepidoptera)
Leptocoriza acuta (Hemiptera)
Mocis latipes (Lepidoptera)
Noropsis hieroglyphica (Lepidoptera)
Pachnaeus litus (Coleoptera)
Perigea illecta (Lepidoptera)
Platypus rugulosus (Coleoptera)
Tiracola plagiata (Lepidoptera)
Vanessa indica (Lepidoptera)

BAGGAGE:

Chelysoma variabilis (Hemiptera)
Plusia chalcites (Lepidoptera)
Sinozylon conigerum (Coleoptera)
Syphanta acuta (Homoptera)

BARK:

Ernobius mollis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Pityogenes chalcographus (Coleoptera)

BEAN:

Callosobruchus phaseoli (Coleoptera)
Neodryocoetes guianae (Coleoptera)

BOX:

Galgapha punctifer (Hemiptera)

BOX OF TOMATOES:

Dendrobiella aspera (Coleoptera)

BULB:

Arion circumscriptus (Mollusca)

CARDBOARD CRATE:

Nasutitermes coniger (Isoptera)

CLOTHING:

Monomorium destructor (Hymenoptera)

CONEX BOX:

Porthetria dispar (Lepidoptera)
Theba pisana (Mollusca)

DEBRIS:

Heterobostrychus brunneus (Coleoptera)
Iridomyrmex iniquus (Hymenoptera)

DUNNAGE:

Theba pisana (Mollusca)

FLOUR:

Trogoderma sternale (Coleoptera)

FLOWERS:

Adoretus sinicus (Coleoptera)
Deroceras reticulatum (Mollusca)
Frankliniella bispinosa (Thysanoptera)
Frankliniella formosae (Thysanoptera)

FOREST LITTER:

Arctorthesia cataphracta (Homoptera)

FRUIT:

Lepidosaphes carinata (Homoptera)

GREENS:

Aleurocanthus woglumi (Homoptera)

HERBS AND PLANTS:

Aglossa cuprealis (Lepidoptera)

LEAF:

Coccus viridis (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Orthesia pseudinsignis (Homoptera)
Pachyzancla bipunctalis (Lepidoptera)
Protopulvinaria pyriformis (Hymoptera)

LEGUME POD:

"Acanthoscelides" spinipes (Coleoptera)

MACHINERY:

Theba pisana (Mollusca)

MILITARY CARGO:

Metopoplax ditomoides (Hemiptera)
Theba pisana (Mollusca)

MOSS:

Trapezonotus arenarius (Hemiptera)

PARCEL CONTAINING ANTHURIUM AND

ORCHID FLOWERS:

Dacus dorsalis (Diptera)

PLANTS:

Aleurocanthus woglumi (Homoptera)

PULPWOOD LOG:

Ips calligraphus (Coleoptera)

QUARTERS:

Argina cribraria (Lepidoptera)

SEED POD:

Mimosastes dominicanus (Coleoptera)

SUCCULENT:

Deroceras reticulatum (Mollusca)

SUITCASE:

Malacosoma castrensis (Lepidoptera)

WOOD:

Cossus cossus (Lepidoptera)
Cryptotermes brevis (Isoptera)
Cryptotermes cavifrons (Isoptera)
Heterobostrychus aequalis (Coleoptera)
Lyctus africanus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Prostephanus truncatus (Coleoptera)
Sinozylon anale (Coleoptera)
Sinozylon conigerum (Coleoptera)
Sirex noctilio (Hymenoptera)
Xylotiops parilis (Coleoptera)

Countries of Origin and Insects

- ALGERIA:
Anuraphis cardui
Ceratitidis capitata
Ceutorhynchus erysimi
- ANGOLA:
Stephanoderes hampei
- ANGUILLA:
Cylas formicarius elegantulus
Phenacoccus parvus
- ANTIGUA:
Anastrepha mombinpraeoptans
Asterolecanium mliaris robustum
Euscepes postfasciatus
Pectinophora gossypiella
Vinsonia stellifera
- ARGENTINA:
Ceratitidis capitata
Epinothia aporema
Phyrenus divergens
- AUSTRALIA:
Aspidiotus australiensis
Asterolecanium petrophilae
Glycyphagus domesticus
Lepidosaphes tuberculata
Nesara viridula
- AUSTRALIA (?):
Aleuroplatus mammaeferus
- AUSTRIA:
Arion circumscriptus
Deroceras reticulatum
- AZORES:
Ceratitidis capitata
Curculio elephas
Glycyphagus domesticus
Helix aspersa
Laspeyresia splendana
Limax marginatus
Limax maximus
- BAHAMAS:
Ancylostoma stercorea
Aspidiotus destructor
Chalcodermus aeneus
Cylas formicarius elegantulus
Ips calligraphus
Pectinophora gossypiella
Vinsonia stellifera
- BARBADOS:
"Targonia" hartii
- BELGIUM:
Ceutorhynchus pleurostigma
Deroceras reticulatum
Mamestra brassicae
Phytomyza rufipes
Theba pisana
- BERMUDA:
Bradybaena similaris
Ceratitidis capitata
Deroceras reticulatum
Frankliniella bispinosa
Haplothrips gowdeyi
Iridomyrmex humilis
Pheidole megacephala
Phenacoccus gossypii
Puleginaria psidii
- BRAZIL:
Asterolecanium epidendri
Ceratitidis capitata
Chrysomphalus personatus
Deroceras reticulatum
Euscepes postfasciatus
Neoleucinodes elegantalis
Parlatoria cinerea
Pseudonidia trilobitiformis
- BRAZIL (?):
Trogoderma granarium
- BRITISH GUIANA:
Nasutitermes corniger
Neodryocetes guianae
Neoleucinodes elegantalis
Vinsonia stellifera
- BRITISH HONDURAS:
Anastrepha ludens
Anastrepha mombinpraeoptans
Nasutitermes nigricaps
Pheidole megacephala
- Termes panamaensis*
Vinsonia stellifera
- CANADA:
Brachyrhinus ovatus
Cladius isomerus
Deroceras reticulatum
Endclomyia aethiops
Parthenothrips dracaenae
Pityogenes chalcographus
Reticulitermes flavipes
Rhagoletis basiola
Scolytus multistriatus
Stenotarsonemus laticeps
- CANAL ZONE:
Chalcodermus aeneus
Cryphula fasciatus
Deroceras reticulatum
Ferrisia virgata
Furcaspis biformis
Phenacoccus solani
Tenthetorix distinguendus
Vinsonia stellifera
- CAPE VERDE ISLANDS:
Caryedon fuscus (?)
- CENTRAL AMERICA:
Anastrepha mombinpraeoptans
- CHILE:
Chelymophra varians
Conoderus rufangulus
Eulia auraria (?)
Euxoa lutescens
Leptoglossus chilensis
Listroderes costirostris obliquus
Megalometis chiliensis
Naupactus xanthographus
Neotermeis chilensis
Pentalonia nigronervosa
- CHINA:
Chaetococcus bambusae
Cylas formicarius formicarius
Parlatoria zizyphus
Unaspis yanonensis
- COLOMBIA:
Anastrepha serpentina
Coccus viridis
Furcaspis biformis
Glycyphagus domesticus
Pagiocerus fiorii
Pentalonia nigronervosa
Platypus rugulosus
- COSTA RICA:
Anastrepha mombinpraeoptans
Chelysoma variabilis
Deroceras reticulatum
Helix aspersa
Iridomyrmex iniquus
Limax marginatus
Lygaeus pulchellus
Nasutitermes columbicus
Nasutitermes corniger
Pinnaspis buxi
Puto ulter
Stenomoma catenifer
Vinsonia stellifera
- CUBA:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Coccus viridis
Cryptotermes brevis
Cryptotermes caviifrons
Cylas formicarius elegantulus
Eucalymnatus tessellatus
Fundella pellucens
Furcaspis biformis
Gynaikothrips ficorum
Moris latipes
Monomorium destructor
Noropsis hieroglyphica
Platynota rostrana
Pectinophora gossypiella
Protopulevinaria pyriformis
Ribua imozia
Selenothrips rubrocinctus
"Targonia" hartii
"Targonia" sachari

Countries of Origin and Insects—Continued

CUBA—Continued

Trogoderma inclusum
Uraspis citri
Vinsonia stellifera

CURACAO:

Pectinophora gossypiella
Sacadoses pyralis

DENMARK:

Cladius pectinicornis
Deroceras reticulatum
Ernobius mollis

Phytomyza rufipes

DOMINICAN REPUBLIC:

Aganactes idecora
Agroiconola propinqua
Anastrepha mombrinpraeoptans
Ancylostoma stercora
Blissus leucopterus insularis
Brevipalpus phoenicis
Cylas formicarius elegantulus
Pectinophora gossypiella

ECUADOR:

Anastrepha mombrinpraeoptans (?)
Brevipalpus oncidii
Epilachna paenulata
Epilachna paenulata var.
Ferrisia virgata
Furcaspis biformis
Metamasius sericeus
Monomorium destructor
Porphyrabaphe iostoma
Stenoma catenifer

EGYPT:

Anuraphis tulipae
Bruchus lentis
Ceratitis capitata
Gnorimoschema ocellatella
Helbula undalis
Lixus junci

ENGLAND:

Aceria macrochelus
Anuraphis cardui
Anuraphis tulipae
Blastophagus piniperda
Cossus cossus
Curculio elephas
Deroceras reticulatum
Dryocoetes villosus
Eriophyes canestrinii
Frankliniella intonsa
Helophorus rugosus
Lampetia equestris
Laspeyresia splendana
Mamestra brassicae
Phytomyza rufipes
Pityogenes chalcographus
Sitona lineata
Taeniothrips atratus
Tetranychus telarius
Thrips flavus
Thrips major

EUROPE (?):

Hemimene juliana

FINLAND:

Pityogenes chalcographus

FORMOSA:

Frankliniella formosae
Glycyphagus domesticus
Parlatoria zizyphus
Trogoderma granarium

FRANCE:

Acidia heraclei (?)
Acrolepia assectella
Asterobemisia carpini
Brithys pancratii
Bruchus luteicornis
Ceratitis capitata
Curculio elephas
Deroceras reticulatum
Ernobius mollis
Gnorimoschema ocellatella
Helix aperta
Laspeyresia splendana
Myzus ascalonicus
Parlatoria zizyphus

Pectinophora gossypiella
Pentatrichopus fragefolii
Phytomyza rufipes
Porthetria dispar
Psylla buzi (?)
Rhagoletis cerasi
Rhagoletis cingulata

FRENCH EQUATORIAL AFRICA:

Stephanoderes hampei
 FRENCH WEST AFRICA:
Dacus citiatus (?)

Stephanoderes hampei

GERMANY:

Ardis sulcata
Arge ochropa
Ceratitis capitata
Deroceras reticulatum
Dialeurodes chittendeni
Ernobius mollis
Frankliniella intonsa
Hylurgops palliatus
Lecanium corni
Mamestra brassicae
Nemapogon granella
Pentatrichopus tetrarhodus (?)
Phytomyza rufipes
Pityogenes chalcographus
Rhagoletis cerasi
Sirex noctilio
Taeniothrips atratus
Tetranychus telarius
Thrips flavus
Thrips fuscipennis
Thrips major

GIBRALTAR:

Ceratitis capitata (?)

GREECE:

"*Acanthoscelides*" *spinipes*
Ceratitis capitata
Curculio elephas
Dacus oleae
Ectomyelois ceratoniae
Prays oleellus
Rhagoletis cerasi
Sesamia cretica

GUAM:

Dacus dorsalis
Diaphania indica
Pentalonia nigronervosa

GUATEMALA:

Anastrepha ludens
Anastrepha mombrinpraeoptans
Anastrepha striata
Deroceras reticulatum
Exptochiomeria oblonga
Farinococcus guatemalensis
Iridomyrmex iniquus
Limax maximus
Pseudischnaspis alienus
Puto ulter
Stenoma catenifer
Vinsonia stellifera

HAITI:

Anastrepha mombrinpraeoptans
Ancylostoma stercora
Cylas formicarius elegantulus
Frankliniella bispinosa
Pectinophora gossypiella
Protopulvinaria pyriformis
Vinsonia stellifera

HAWAII:

Adoretus sinicus
Araecerus levipennis
Bradybaena similaris
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccotrypes carpophagus
Coccus acutissimus
Coccus viridis
Conotelus mexicanus
Cryptophlebia illepidia
Dacus cucurbitae
Dacus dorsalis
Deroceras reticulatum

Countries of Origin and Insects—Continued

HAWAII—Continued

Dialeurodes kirkaldyi
Diocalandra taitensis
Ectomyelois ceratoniae
Ereunetis flavistriata
Fiorinia nephelii
Furcaspis biformis
Hyaloleptus pellucidus
Lamellaxis gracilis
Lampides boeticus
Lepidosaphes tokionis
Lepidosaphes tuberculata
Leucaspis cockerelli
Maruca testulalis
Megacerus alternatus
Nysius coenosulus
Orchidophilus aterrimus
Pantomorus godmani
Parlatoria crotonis
Parlatoria pseudaspidiotus
Pealius hibisci
Pectinophora gossypiella
Pentalonia nigronervosa
Pinnaspis buxi
Plusia chalcites
Pseudococcus palmarum
Pseudococcus palmarum oceanicus
Pulvinaria psidii
Sinozylon conigerum
Siphanta acuta
Sternonchetus mangiferae
Taeniothrips hawaiiensis
Teleonemia scrupulosa
Zonitoides arboreus

HONDURAS:

Anastrepha mombinpraeoptans
Cerconota anonella
Galgupha punctifer
Porphyrobaphe iostoma
Tenthetoris bicolor

HONG KONG:

Trogoderma granarium

INDIA:

Ferrisia virgata
Heterobostrychus aequalis
Lycetus africanus
Monomorium destructor
Pulvinaria psidii
Sinozylon anale
Sinozylon conigerum
Sternonchetus mangiferae
Suidasia medianensis
Systole geniculata
Trogoderma granarium

INDONESIA:

Monomorium destructor

IRAN:

Megastigmus pistaciae
Trogoderma parabile

IRAQ:

Ceratitis capitata

IRELAND:

Deroceras reticulatum
Lamptia equestris
Limothrips cerealium
Psylla mali (?)
Rhopalosiphum crataegellum (?)
Thrips flavus
Thrips major
Tyrophagus infestans

ISRAEL:

Bruchophagus ononis (?)
Ceratitis capitata
Cryptoblabes guidiella
Gnorimoschema ocellatella
Parlatoria cinerea

ITALY:

Aglossa cuprealis
Antispila rivillei (?)
Brachymerus abditentatus
Brachymerus algeris
Brevipalpus inornatus
Bruchophagus coluteae
Bruchus signaticornis
Bruchus tristis

Ceratitis capitata
Ceroplastes rusci
Cryptoblabes guidiella
Curculio elephas
Curculio nucum
Dacus oleae
Deroceras reticulatum
Dyspessa ulula
Ectomyelois ceratoniae
Euzophera bigella (?)
Hemimene juliana
Iridomyrmex humilis
Laspeyresia splendana
Megastigmus pistaciae
Parlatoria camelliae
Parlatoria zizyphus
Pieris brassicae
Pyrausta nubilalis
Reticulitermes flavipes
Rhagoletis cerasi
Sesamia cretica
Spanioneura fonscolombei
Sparteus villosus (?)
Tetranychus cinnabarinus
Trialeurodes lauri
Tyrophagus infestans

JAMAICA:

Anastrepha mombinpraeoptans
Anastrepha suspensa
Ancylostoma stercorea
Artipus griseus
Aspidiotus diffinis
Asterclecanium epidendri
Ectomyelois muriscis
Euscepes postfasciatus
Furcaspis biformis
Mimosestes dominicanus
Pachyzancla bipunctatis
Palaeopus costicollis
Protopulvinaria pyriformis
Tenuipalpus pacificus
Vinsonia stellifera

JAPAN:

Aleurotuberculatus aucubae
Aspidiotus degeneratus
Brevipalpus inornatus
Bryobia cristata
Callosobruchus phaseoli
Carposina sasakii
Ceroplastes rubens
Chilo suppressalis
Chrysomphalus bifasciculatus
Coptotermes formosanus
Deroceras reticulatum
Dialeurodes citri
Dichocrocis punctiferalis
Frankliniella formosae
Grapholitha molesta
Ischnodemus saccharivorus
Lampides boeticus
Lepidosaphes tuberculata
Lepidosaphes tubulorum (as defined by Kuwana)
Microcephalothrips abdominalis
Nezara viridula
Nipponaclerda biwaokoensis
Parlatoria camelliae
Pentamerismus oregonensis
Phenacoccus azaleae
Pseudococcus comstocki
Pseudococcus pini
Pulvinaria floccifera
Trionymus sacchari
Unaspis citri
Unaspis euonymi
Unaspis yanonensis
Vanessa indica
Xylosandrus germanus

JOST VAN DYKE:

Ancylostoma stercorea
Chalcodermus aeneus
Fumidella pellucens

KUWAIT:

Trogoderma granarium

LEBANON:

Bruchus ervi

Countries of Origin and Insects—Continued

LEBANON—Continued

Dacus oleae
Prays oleellus

LIBERIA:

Stephanoderes hampei

LIBIA:

Cryptoblabes gnidiella

MADEIRA ISLANDS:

Ceratitis capitata (?)
Iridomyrmex humilis
Limax marginatus

MEXICO:

Aleurocanthus woglumi
Aleurothrix floccosus
Alpheias conspirata
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Aspidiotus destructor
Asterolecanium epidendri
Aufeius impressicollis
Blissus leucopterus
Blissus leucopterus insularis
Cactophagus validirostris
Calligrapha diversa
Capaneus tetricus
Caulophilus latinasus
Cephaloleia atriceps
Chalepus omoger
Chilo loftini
Chrysomphalus nigropunctatus
Chrysomphalus sphaeroides
Citigenes delineata
Coelonertus nigrirostris
Conotrachelus aguacatae
Cosmopolites sordidus
Cryphula apicalis
Curculio q-griseae
Cylas formicarius elegantulus
Dendrobiella aspera
Deroceras reticulatum
Dialeurodes citri
Diorymerellus laevimargo
Dysdercus mimus
Ectomyeloides muriscis
Epicaerus cognatus
Epilachna mexicana
Epinotia aporema
Eutheola bidentata
Eurytoma orchidearum
Everes comyntas
Evergestis rimosalis
Erpochiomera albomaculata
Erpochiomera confusa
Frankliniella occidentalis
Galgupha punctifer
Gnorimoschemella gudmannella
Helipus lauri
Heliothis subjeza
Heterotermes aureus
Homocidus electellum
Leptodaphes carinata
Leptodaphes philococcus
Leptocoptera coffeella
Limax marginatus
Macropygium reticulare
Metriona erratica angularis
Monanthia monotropidia
Moodna bisinuella
Noosteingelia tezana
Noropsis hieroglyphica
Ogdococta catenulata
Orthesia cacticola
Orthesia pseudinsignis
Paromius longulus
Parlatoria cinerea
Pectinophora gossypiella
Phenacoccus gossypii
Plagiodera semivittata
Plagiodera thymaloides
Platypus rugulosus
Prostephanus truncatus
Puto ulter
Rhopalophora incrustata

Spanogonicus albofasciata
Stenomoma catenifer
Talponia batesi
"Targionia" bromiliae
Tenthecoris angustimarginatus
Tenthecoris bicolor
Tenthecoris confusus
Tetranychus desertorum
Texananus spatulatus
Thecla ziba
Trialeurodes vaporariorum
Trogoderma parabile
Trogoderma sternale
Unaspis citri
Xylobiops parilis
Xylobiops texanus

MONTSERRAT:

Monomorium destructor

MOROCCO:

Acrolepia assectella
Bouhelia marocana
Lycus brunneus
Malacosoma castrensis
Metopoplax ditomoides
Phorodon menthae
Scobicia chevrieri
Theba pisana
Trogaxylon impressum

MOZAMBIQUE:

Lampides boeticus

NETHERLANDS:

Adoxophyes orana
Anuraphis tulipae
Deroceras reticulatum
Dialeurodes chittendeni
Gracilaria azalella
Lecanium corni
Limax marginatus
Masonaphis rhododendri
Periphyllus californiensis
Phytomyza rufipes
Psylla buxi
Rhagoletis cerasi
Rhopalosiphoninus tulipaellus
Taeniothrips atratus
Trogoderma parabile

NETHERLANDS GUIANA:

Maruca testulalis

NEW GUINEA:

Nysius vinitor

NICARAGUA:

Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Anastrepha serpentina
Pseudischnaspis bowreyi
Pseudischnaspis longissima
Stenomoma catenifer

NIGERIA:

Leucinodes orbonalis

NORTHERN IRELAND:

Steneotarsonemus laticeps

NORWAY:

Argyresthia conjugella
Pityogenes chalcographus
Trapezonotus arenarius

PAKISTAN:

Trogoderma granarium

PANAMA:

Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Ancylostoma stercora
Aulacaspis mangiferae
Cerconota anonella
Furcaspis biformis
Leucaspis cockerelli
Mecolaemus carvalhoi (?)
Stenomoma catenifer
Vinsonia stellerifera

PANAMA (?)

Maruca testulalis

PERU:

Anastrepha fraterculus
Dinoderus bifoveolatus
Mescinia peruella

Countries of Origin and Insects—Continued

PHILIPPINES:

Aspidiotus destructor
Caryedon fuscus
Coccus viridis
Cylas formicarius
Ectomyetois ceratoniae
Ferrisia virgata
Hellula undalis
Pseudococcus lilacinus
Pyrausta nubilalis

PHILIPPINES (?):

Sternochetus mangiferae

POLAND:

Nemapogon granelia

PORTUGAL:

Aglossa cuprealis
Anuraphis tulipae
Bruchus luteicornis
Bryobia sarothamni
Curculio elephas
Deroceras reticulatum
Laspeyresia splendana
Opogona subcervinella
Parlatoria camelliae
Rhagoletis cerasi
Taeniothrips ericae
Tetralicia ericae

PUERTO RICO:

Anastrepha mombinpraeoptans
Anastrepha striata
Anastrepha suspensa
Ancylostomia stercorea
Crambus ligonellus
Cylas formicarius elegantulus
Maruca testulalis
Pachyzancla periusalis
Pectinophora gossypiella
Protopulvinaria longivalvata
Vinsonia stellifera

ST. KITS:

Anastrepha mombinpraeoptans
Ancylostomia stercorea
Fundella pellucens
 "Targionia" sacchari

ST. LUCIA:

Protopulvinaria pyriformis

ST. MARTIN:

Anastrepha mombinpraeoptans

ST. THOMAS:

Caryedon fuscus

ST. VINCENT:

Opogona subcervinella

SALVADOR:

Anastrepha mombinpraeoptans
Anastrepha striata
Leucaspis cockerelli
Stenomoma catenifer
Vinsonia stellifera

SCOTLAND:

Arctothoezia cataphracta
Gelechia ericetella
Micrelus ericae
Orthotylus ericetorum
Phylomyza rufipes
Taeniothrips atratus
Taeniothrips ericae
Taeniothrips vulgatissimus
Thrips flavus

SIERRA LEONE:

Cylas puncticollis
Heterobostrychus brunneus

SOUTH AMERICA:

Ceratitis capitata

SPAIN:

Acrolepia assectella
Brachycerus algeris
Ceratitis capitata
Chilo suppressalis
Curculio elephas

Dyspessa ulula
Laspeyresia nigricana
Laspeyresia splendana
Pentamerismus coronatus
Rhagoletis cerasi

STRAITS SETTLEMENTS:

Ferrisia virgata
Furcaspis biformis
Trogoderma grammarium

SWEDEN:

Ernobius mollis
Hylurgops palliatus
Lecanium corni
Pityogenes chalcographus
Zophodia convolutella (?)

SWITZERLAND:

Adelphocoris seticornis
Hypera nigrirostris
Sparteus villosus

SYRIA:

Pectinophora gossypiella

TAHITI:

Aspidiotus destructor
Dialeurodes kirkaldyi
Morganella longispina

THAILAND:

Cylas formicarius ssp.
Parlatoria zizyphus

TORTOLA:

Anastrepha mombinpraeoptans
Ancylostomia stercorea
Eusepes postfasciatus

TRINIDAD:

Anastrepha mombinpraeoptans
Ancylostomia stercorea
Callosobruchus phaseoli
Furcaspis biformis
Maruca testulalis
Talponia batesi
Vinsonia stellifera

TRIPOLI:

Theba pisana

UNION OF SOUTH AFRICA:

Carbula litigatrix
Ceratitis capitata
Cletus caffer
Cletus ochraceus
Epichorista ionephela
Iridomyrmex humilis
Ischnodemus diplopterus
Nezara viridula
Phlyctinus callosus

UNKNOWN:

Anastrepha mombinpraeoptans
Argina cribraria
Arion circumscriptus
Ceratitis capitata
Metamasius sericeus
Pachnacus litus
Parlatoria cinerea
Parlatoria zizyphus
Perigea illepta
Portheia dispar
Rhagoletis cerasi

VENEZUELA:

Anastrepha mombinpraeoptans (?)
Bephrata maculicollis
Maruca testulalis
Pachnacus litus
Platynota rostrana
Stenomoma catenifer
Theba pisana
Unaspis citri
Zedaiatraea lineolata

WEST PACIFIC:

Leptocoriza acuta
Tracola plagiata

YUGOSLAVIA:

Pyrausta nubilalis

Pests collected and reported from July 1, 1956, through June 30, 1957

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Alternaria citri</i> Ell. & Pierce:					
<i>Citrus sinensis</i> (orange)	Spain		1		P. R.
† <i>Alternaria dauci</i> (Kuehn) Groves & Skolko:					
<i>Coriandrum sativum</i> (coriander)	Puerto Rico	1			P. R.
<i>Alternaria dianthi</i> F. L. Stevens & J. G. Hall:					
<i>Dianthus caryophyllus</i> (carnation)	Mexico	1			Tex.
† <i>Alternaria dianthicola</i> Neerg.					
<i>Dianthus caryophyllus</i> (carnation)	Germany, Palestine	2			Mass., Pa.
† <i>Aphelenchoides bicaudatus</i> Inamura:					
Soil around violet roots	Costa Rica			1	Fla.
† <i>Aphelenchoides coffea</i> Goodey:					
Soil around roots of bloodleaf plant	do			1	Fla.
† <i>Aphelenchoides huntii</i> Steiner:					
Soil with carnation plants	Azores			1	Mass.
† <i>Ascochyta pisi</i> Lib.					
<i>Glycine mar</i> (soybean)	Japan		1		Pa.
† <i>Asterosporium hoffmanni</i> Kunze:					
<i>Betula medvedievi</i>	France			1	D. C.
<i>Camarosporium orchidicola</i> Cash & Watson:					
Orchid	Guatemala			1	Tex.
<i>Ceratocystis radicola</i> (Bliss) Moreau:					
<i>Cocos nucifera</i> (coconut)	Mexico	1			Calif.*
† <i>Cercospora apii</i> Fres.:					
<i>Eryngium foetidum</i>	Puerto Rico	3			P. R.
† <i>Cercospora coffeicola</i> Berk. & Cke.:					
<i>Coffea</i> sp. (coffee)	Dominican Republic	1			Fla.*
† <i>Cercospora handelii</i> Bub.:					
<i>Rhododendron</i> sp.	England			1	N. J.
<i>Cercospora mangiferae</i> Koord.:					
<i>Mangifera indica</i> (mango)	Mexico	1			Tex.
† <i>Cercospora musae</i> Zimm.:					
<i>Musa</i> sp.	Marquesas Islands	1			Calif.*
† <i>Cercospora panacis</i> Thirum. & Chupp (?):					
<i>Nothopanax</i> sp.	Australia		1		Hawaii.
<i>Cercospora purpurea</i> Cke.:					
<i>Persea americana</i> (avocado)	Mexico	2			Tex.
<i>Cerebella andropogonis</i> Ces.:					
<i>Paspalum dilatatum</i> (Dallis grass)	Australia			1	S. C.
† <i>Chlamydomyces palmarum</i> (Cke.) Mason:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine)	Norfolk Island			1	Calif.*
<i>Chrysomyxa ledi</i> d By. var. <i>rhododendri</i> (d By.) Savile:					
<i>Rhododendron ferrugineum</i> (rock rhododendron)	Switzerland	27		3	N. J., N. Y.
<i>Rhododendron hirsutum</i> (garland rhododendron)	Germany, Switzerland	1	1		N. J., Pa.
<i>Rhododendron</i> sp.	Austria, Germany, Switzerland		9	3	Calif.* Mich., N. J., N. Y.
† <i>Cladosporium fasciculare</i> Fr. (?):					
<i>Allium porrum</i> (leek)	Germany		1		Calif.*
<i>Coleosporium bletiae</i> Diet.:					
<i>Calanthe alismaefolia</i>	India			1	N. J.
<i>Coleosporium dahliae</i> Arth.:					
<i>Dahlia</i> sp.	Mexico	1			Tex.
<i>Coleosporium solidaginis</i> (Schw.) Thuem.:					
<i>Aster</i> sp.	Japan		1		Wash.
<i>Pinus resinosa</i> (red pine)	Canada			1	N. Y.
<i>Colletotrichum agaves</i> Cav.:					
<i>Agave</i> sp.	Italy, Mexico			2	Ariz., N. J.
† <i>Colletotrichum arecae</i> Syd.:					
<i>Areca catechu</i> (betel palm)	Philippines	1			Hawaii.
<i>Colletotrichum cajani</i> Rangel:					
<i>Cajanus cajan</i> (pigeonpea)	Puerto Rico, St. Kitts	2			P. R.
<i>Colletotrichum capsici</i> (Syd.) Btlr. & Bisby:					
<i>Capsicum frutescens</i> (pepper)	Mexico, Puerto Rico	2			P. R., Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Colletotrichum cliviae</i> (Oud.) Petr.:					
<i>Clivia</i> sp.-----	Belgium-----			1	N. J.
† <i>Colletotrichum coffeanum</i> Noack:					
<i>Gardenia augusta</i> (gardenia)-----	Mexico-----	1			Tex.
<i>Colletotrichum philodendri</i> P. Henn.:					
<i>Philodendron cordatum</i> -----	†Germany-----				N. J.
<i>Philodendron</i> sp.-----	Mexico-----			2	Ariz.
† <i>Colletotrichum trichellum</i> Duke:					
<i>Hedera helix</i> (English ivy)-----	Italy-----		1		Pa.
<i>Colletotrichum zingiberis</i> Butl. & Bisby:					
<i>Zingiber officinale</i> (ginger)-----	China-----	1			Calif.*
† <i>Coniothecium glumarum</i> Sacc.:					
<i>Dactylis glomerata</i> -----	Netherlands-----			1	D. C.
<i>Coniothyrium cytisellum</i> (Pass. & Thuem.) Sacc.:					
<i>Laburnum watereri</i> -----	do-----			3	N. J.
† <i>Coniothyrium genistae</i> (Roum.) Bub. & Vogl.:					
<i>Genista</i> sp.-----	Portugal-----			1	D. C.
† <i>Coniothyrium leguminum</i> (Rab.) Sacc.:					
<i>Cytisus</i> sp.-----	do-----			1	D. C.
† <i>Corynespora cassiicola</i> (Berk. & Curt.) Wei:					
Palm-----	Mexico-----	2			Tex.
<i>Coryneum carpophilum</i> (Lev.) Jauch.:					
<i>Prunus amygdalus</i> (almond)-----	Italy-----			1	Mass.
<i>Prunus armeniaca</i> (apricot)-----	France, unknown-----	1	2		Mass., N. Y.
† <i>Coryneum microstictoides</i> Sacc. & Penz.:					
<i>Paeonia</i> sp. (peony)-----	Netherlands-----			1	N. J.
† <i>Coryneum microstictum</i> Berk. & Br.:					
<i>Rubus</i> sp.-----	Morocco-----		1		Pa.
† <i>Criconemoides mutabile</i> Taylor:					
Palm-----	Mexico-----			1	Tex.
† <i>Criconemoides xenoplax</i> Raski:					
Soil with an unknown tree-----	Japan-----			1	N. Y.
† <i>Cronartium quercuum</i> (Berk.) Shirai:					
<i>Quercus emoryi</i> (emory oak)-----	Mexico-----	1			Ariz.
† <i>Cryptosphaeria euromia</i> (Fr.) Grev.(?):					
Twig—unknown-----	do-----	1			Ariz.
<i>Cryptospora longispora</i> Servazzi:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine)-----	Australia, Norfolk Island-----			8	Calif.* Fla.
<i>Cumminsia mirabilissima</i> (Pk.) Nannf.:					
<i>Mahonia aquifolium</i> Darkpurple-----	Netherlands-----			1	D. C.
<i>Mahonia aquifolium</i> Vicar-----	do-----			1	D. C.
<i>Mahonia</i> sp.-----	Norway-----	1			N. Y.
<i>Cylindrosporium chrysanthemi</i> Ell. & Dearn.:					
<i>Chrysanthemum</i> sp.-----	Japan-----			1	D. C.
<i>Cytospora ambiens</i> Sacc.:					
<i>Acer platanoides</i> (Norway maple)-----	England-----			1	N. J.
<i>Cytospora sacchari</i> Butl.:					
<i>Saccharum officinarum</i> (sugarcane)-----	Mexico-----	1			Tex.
<i>Diaporthe eres</i> Nits.:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine)-----	†Norfolk Island-----			1	Calif.*
<i>Chaenomeles</i> sp.-----	Netherlands-----			1	N. J.
<i>Ginkgo biloba</i> (ginkgo)-----	France-----			1	N. J.
<i>Rosa</i> sp.-----	†Northern Ireland-----			1	Wash.
† <i>Didymella ornithogali</i> Jacques:					
<i>Ornithogalum thyrsoides</i> (chinkerichce)-----	Union of South Africa-----	1			N. Y.
<i>Diplodia taxi</i> (Fr.) de N.:					
<i>Taxus cuspidata</i> (Japanese yew)-----	Japan-----			1	Wash.
<i>Diplodina eurhododendri</i> Voss:					
<i>Rhododendron laetevirens</i> -----	Netherlands-----			1	N. J.
<i>Discosia artocreas</i> Fr.:					
<i>Camellia japonica</i> (camellia)-----	Japan-----			2	Calif.*
<i>Camellia reticulata</i> -----	do-----			2	Calif.*
<i>Camellia</i> sp.-----	do-----			1	Calif.*
<i>Ditylenchus dipsaci</i> (Kuhn) Filip.:					
<i>Allium sativum</i> (garlic)-----	Italy, Mexico, Spain-----	7			Ariz., Mass., P. R., Tex.
<i>Narcissus</i> sp.-----	England-----			1	N. J.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Echidnodes bromeliacearum</i> (Rehm) Th. & Syd.: <i>Bromeliad</i>	Mexico.....	---	---	1	Tex.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus aurantifolia</i> (sweet lime).....	Brazil.....	---	1	---	Ia.
<i>Citrus limon</i> (lemon).....	Argentina, Brazil.....	---	16	---	Calif.*
<i>Citrus paradisi</i> (grapefruit).....	do.....	---	3	---	Ala., N. Y.
<i>Citrus sinensis</i> (orange).....	do.....	---	39	---	Ala., Calif.*, La., Md., Mass., N. Y., Pa., Tex.
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango).....	†Brazil, †Cuba, Mexico.....	3	---	---	N. Y., P. R. Tex.
<i>Elsinoe phaseoli</i> Jenkins: <i>Phaseolus lunatus</i> (civet bean).....	Puerto Rico.....	1	---	---	P. R.
<i>Phaseolus lunatus macrocarpus</i> (lima bean).....	do.....	1	---	---	Ill.
<i>Epicoecum cocos</i> F. L. Stevens: <i>Cocos nucifera</i> (coconut).....	Wake Island(?).....	1	---	---	Hawaii.
<i>Erwinia citrimaculans</i> (Doidge) Magrou: <i>Citrus limon</i> (lemon).....	Italy.....	---	1	---	Wash.
<i>Erobiasidium vaccinii</i> (Fekl.) Wor.: <i>Rhododendron indicum</i>	Belgium.....	---	---	1	N. J.
† <i>Fusarium oxysporum</i> Schlecht. f. <i>batatas</i> (Wr.) Snyd. & Hans.: <i>Ipomoea batatas</i> (sweet potato).....	Argentina.....	---	1	---	Tex.
<i>Fusarium oxysporum</i> Schlecht. f. <i>gladioli</i> (Massey) Snyd. & Hans.: <i>Gladiolus</i> sp.....	Mexico, Netherlands.....	1	---	3	Ariz., Calif.*, Tex.
† <i>Fusarium oxysporum</i> Schlecht. f. <i>narcissi</i> (Cke. & Mass.) Snyd. & Hans. (?): <i>Galanthus</i> sp.....	Turkey.....	---	---	1	N. Y.
<i>Fusarium solani</i> (Mart.) Appel & Wr.: <i>Schomburgkia</i> sp. (orchid).....	Mexico.....	---	---	1	Tex.
<i>Fusicladium pyracanthae</i> (Oth.) Rostr.: <i>Pyracantha coccinea</i>	Netherlands.....	---	---	1	N. J.
<i>Pyracantha</i> sp.....	do.....	---	---	1	N. J.
<i>Fusicocum galericulatum</i> (Tul.) Sacc.: <i>Fagus sylvatica riversii</i>	do.....	---	---	1	N. J.
† <i>Gloeosporium album</i> Osterw.: <i>Malus sylvestris</i> (apple).....	Australia, Germany, Italy, Netherlands.....	---	5	---	Pa.
<i>Gloeosporium rhododendri</i> Briosi & Cav.: <i>Rhododendron lapponicum</i>	Netherlands.....	---	---	1	N. J.
<i>Rhododendron</i> sp.....	do.....	---	---	2	N. J.
<i>Gymnosporangium haraeaeum</i> Syd.: <i>Juniperus chinensis</i> (Chinese juniper).....	Japan.....	---	---	1	Calif.*
<i>Juniperus</i> sp.....	do.....	---	---	1	Calif.*
† <i>Gymnosporangium juniperi</i> Lk.: <i>Sorbus aucuparia</i> (European mountain-ash).....	Norway.....	1	---	---	N. Y.
† <i>Helicotylenchus erythrinae</i> (Zimmermann) Golden: Soil with amaryllis bulbs.....	Portugal.....	---	---	1	Mass.
Soil with dahlia roots.....	Scotland.....	---	---	1	Mass.
Soil with gladiolus corms and lily bulbs.....	Italy.....	---	---	1	Mass.
Soil with olive and citrus trees.....	do.....	---	---	1	N. Y.
Soil with unknown plants.....	Canada.....	---	---	1	Mass.
† <i>Helicotylenchus multicinctus</i> (Cobb) Golden: <i>Allium porrum</i> (leek).....	Australia.....	---	1	---	Mass.
Fern.....	Mexico.....	---	---	1	Tex.
Soil with bloodleaf plant.....	Costa Rica.....	---	---	1	Fla.*
<i>Helicotylenchus nannus</i> Steiner: <i>Allium porrum</i> (leek).....	†Australia.....	---	1	---	Mass.
<i>Begonia</i> sp.....	Mexico.....	---	---	1	Tex.
<i>Begonia</i> , fuchsia, and unknown cuttings.....	†Greece.....	---	---	1	Mass.
<i>Colocasia esculenta</i> (dasheen).....	†Azores.....	1	---	---	Mass.
<i>Phalaris</i> sp.....	†Union of South Africa.....	---	---	1	La.
<i>Philodendron</i> sp.....	Mexico.....	---	---	2	Ariz., Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Helicotylenchus nannus</i> Steiner:—Continued					
Soil with begonia and crassulaceous plants	Azores	—	—	1	Mass.
Soil with heather	†Scotland	—	—	1	Mass.
Soil with mint plants	†Cuba	—	—	1	Fla.*
Soil with rhododendron plants	Scotland	—	—	1	Mass.
Soil with sansevieria plants	†Haiti	—	—	1	Fla.*
Soil with an unknown seedling	Mexico	—	—	1	Ariz.
Soil with an unknown plant	†Jamaica	—	—	1	Fla.*
Soil with succulent plant	Mexico	—	—	1	Ariz.
<i>Helminthosporium torulosum</i> (Syd.) Ashby:					
<i>Musa paradisiaca</i> (plantain)	Dominican Republic	1	—	—	P. R.
<i>Hendersonia agaves</i> Maubl.:					
<i>Agave</i> sp.	Mexico	1	—	—	Ariz.
<i>Hendersonia citri</i> McAlp.:					
<i>Citrus aurantifolia</i> (sweet lime)	do	—	—	1	Tex.
† <i>Hendersonia foliorum</i> Fekl. var. <i>viburni</i> Sacc.:					
<i>Viburnum rhytidophyllum</i>	Netherlands	—	—	1	Wash.
<i>Hendersonia opuntiae</i> Ell. & Ev.:					
Cactus	Mexico	—	—	1	Ariz.
† <i>Hendersonia piriformis</i> Oth. (?):					
<i>Fagus sylvatica</i> Purple	Netherlands	—	—	1	N. J.
<i>Hendersonia yuccae</i> Kickx:					
<i>Yucca</i> sp.	Mexico	—	—	1	Ariz.
<i>Heterodera cacti</i> Filip. & Schurr. Stek.:					
Soil	Mexico	4	—	—	Ariz., Tex.
Soil with begonia plants	do	1	—	4	Tex.
Soil with <i>Bryophyllum</i> sp. plants	do	—	—	1	Tex.
Soil with unknown bulbs	do	—	—	1	Ariz.
Soil with cacti plants	Germany, Italy, Mexico, †New Zealand.	—	—	22	Ill., N. Y., Tex.
Soil with cactus plant and geranium cutting	Mexico	—	—	1	Tex.
Soil with cactus-type plant and <i>Crassula argentea</i>	France	—	—	1	N. Y.
Soil with chrysanthemum plants	Mexico	—	—	1	Tex.
Soil with citrus seedlings	do	—	—	1	Ariz.
Soil with coleus plants	do	—	—	1	Ariz.
Soil with coleus and geranium cuttings	do	1	—	—	Tex.
Soil with dahlia roots	do	—	—	1	Ariz.
Soil with fern plants	do	1	—	2	Tex.
Soil with potted flower	do	—	—	1	Tex.
Soil with gardenia plant	do	1	—	—	Tex.
Soil with gardenia and succulent plants	do	—	—	1	Tex.
Soil with garlic	do	1	—	—	N. Y.
Soil with ice plant	do	1	—	—	Tex.
Soil with laurel plant	do	—	—	1	Tex.
Soil with medicinal herb	do	1	—	—	Ariz.
Soil with <i>Mesembryanthemum</i> sp. plant	do	—	—	1	Tex.
Soil with mint plants	do	—	—	3	Tex.
Soil with onions in railway car	do	—	1	—	Tex.
Soil with palm	do	1	—	—	Tex.
Soil with philodendron plants	do	—	—	1	Tex.
Soil with <i>Pilea</i> sp., narcissus, and succulent plants	do	—	—	1	Tex.
Soil with portulaca plants	do	3	—	2	Tex.
Soil with potatoes	do	—	11	—	Calif., Tex.
Soil with "queen's wreath" plants	do	2	—	—	Tex.
Soil from railway car sweepings	do	—	3	—	Tex.
Soil with rue plants	do	1	—	—	Tex.
Soil with selaginella plants	do	—	—	2	Tex.
Soil with stonecrop plants	France, Italy	—	—	2	N. Y.
Soil with succulent plants	Mexico	—	—	3	Tex.
Soil with unknown plants	do	6	—	23	Ariz., Tex.
† <i>Heterodera carotae</i> Jones (?):					
Soil with carrots	Germany	—	1	—	Fla.*
<i>Heterodera major</i> (O. Schmidt) Franklin:					
Soil with automobile	France	1	—	—	N. Y.
Soil with bagging	England, France, Italy, Netherlands, Scotland.	8	—	—	N. Y.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Heterodera major</i> (O. Schmidt) Franklin:—Con.					
Soil with bleeding heart and mimosa plants.	England			1	N. Y.
Soil with chrysanthemum and geranium plants.	France			1	N. Y.
Soil with <i>Cymbalaria</i> sp. plant.	Ireland			1	N. Y.
Soil with garlic bulbs.	Spain	1			N. Y.
Soil with geranium plants.	England		1		N. Y.
Soil with horseradish.	Denmark	1			N. Y.
Soil with hydrangea.	England		1		N. Y.
Soil with jute bagging.	Sweden	1			N. Y.
Soil with leeks.	France		1		N. Y.
Soil with lily bulbs.	do.		1		N. Y.
Soil with lily-of-the-valley pips.	Germany		1		N. Y.
Soil with military surplus axles etc.	Belgium	1			N. Y.
Soil with potted plants.	Italy			1	N. Y.
Soil with potatoes.	Denmark, England		3		Fla.*, La., Va.
Soil with shallots.	Netherlands	1			N. Y.
<i>Heterodera punctata</i> Thorne:					
Soil.	Belgium, Germany, Iceland, Ireland, Mexico.	6			N. Y., Pa., Tex., Va.
Soil with automobiles.	England, Germany, Iceland, unknown.	17			Ala., Mass., N. Y., Tex., Va.
Soil with bagging.	Scotland	1			N. Y.
Soil with carnation plants.	England		1		N. Y.
Soil with carnation and primrose plants and tuberosc bulbs.	do.			1	Mass.
Soil with chrysanthemum plants.	do.			2	Mass., N. Y.
Soil with coleus plants.	Norway	1			N. Y.
Soil with cyclamen plants.	England	1			N. Y.
Soil with fig plants.	Italy	1			N. Y.
Soil with geranium plants.	England	1			N. Y.
Soil with jasmine plants.	Italy	1			N. Y.
Soil with <i>Nepeta heteracea</i> plants.	England	1		1	N. Y.
Soil with oak timber.	do.	1			Mass.
Soil with potatoes.	Mexico, Netherlands		4		Tex., Va.
Soil with primula, stonecrop, viburnum, & etc. plants.	England			1	N. Y.
Soil with unidentified plants.	England, Germany, Mexico.			3	N. Y., Tex.
<i>Heterodera rostochiensis</i> Wr.:					
Soil.	Iceland	1			Va.
Soil with amaryllis, euonymus, and oxalis plants.	Ireland			1	Mass.
Soil with asparagus fern.	do.			1	N. Y.
Soil with automobiles.	England, Europe, Germany.	7			Mass., N. Y.
Soil with bagging.	England, Netherlands, Scotland.	15			Md., N. Y.
Soil with beets.	Belgium		1		La.
Soil with blackberry plants.	Scotland		1		N. Y.
Soil on boots.	Ireland	1			Mass.
Soil with miscellaneous bulbs.	England			1	N. Y.
Soil with carnation plants.	do.	1		1	N. Y.
Soil with carrots.	England, Germany		2		Fla.*, La.
Soil with chrysanthemum plants.	England			2	N. Y.
Soil with dahlia roots.	England, Ireland			2	Ill., N. Y.
Soil with daisy plants.	England			1	N. Y.
Soil with delphinium plants.	do.			1	N. Y.
Soil with gardenia and a succulent plant.	Mexico			1	Tex.
Soil with garlic.	Argentina	5			N. Y.
Soil with geranium plants.	Ireland			1	Mass.
Soil with gladiolus corms.	Netherlands			1	N. Y.
Soil with heath plants.	England			1	N. Y.
Soil with heather plants.	Scotland			5	Mass., N. Y.
Soil with hibiscus and orchid plants.	Mexico			1	Tex.
Soil with hyacinth plant.	Germany			1	N. Y.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Heterodera rostochiensis</i> Wt.:—Continued					
Soil with hydrangea plant	England			1	N. Y.
Soil with ivy plant	Ireland			1	N. Y.
Soil with jute bags	Scotland	1			N. Y.
Soil with laurel plant	Ireland			1	N. Y.
Soil with lily bulbs, carnation, peony, and rose plants	Germany			1	N. Y.
Soil with lily-of-the-valley, hyacinth, lily, and tulip plants	England			1	Mass.
Soil with myrtle plant	Germany			1	N. Y.
Soil with <i>Nepeta hederacea</i> plants	England			1	N. Y.
Soil with potatoes	†Ecuador, England, Greece, Peru, Scotland.		5	1	La., Mass., Pa.
Soil with potatoes with heather	Scotland	3			N. Y.
Soil with shamrock plants	England, Ireland	1		1	Ill., N. Y.
Soil with strawberry plants	Ireland			1	N. Y.
Soil with succulent plants	Mexico			1	Tex.
Soil with unidentified plants	England, Germany, Mexico.	1		6	N. Y., Tex.
Soil with violet plants	Germany			1	Ill.
Soil with wallflower plants	Scotland			1	N. Y.
† <i>Heterodera schachtii</i> Schmidt:					
Soil with potatoes	Spain, Sweden		2		Calif.*
<i>Heterosporium allii</i> Ell. & Martin:					
<i>Allium porrum</i> (leek)	Germany		1		Calif.*
† <i>Heterosporium echinulatum</i> (Berk.) Cke.:					
<i>Dianthus caryophyllus</i> (carnation)	Colombia	1			Fla.*
† <i>Heterosporium iridis</i> (Fautr. & Roum.) Jacques:					
<i>Iris</i> sp.	Canada			1	Mich.
† <i>Hypocrella sloaneae</i> Pat.:					
<i>Chamaedorea oblongata</i>	Mexico	1			Tex.
<i>Chamaedorea</i> sp.	do	2			Tex.
"Leprosis":					
<i>Citrus limon</i> (lemon)	†Peru		1		Mass.
<i>Citrus sinensis</i> (orange)	Mexico	6			Ariz., Tex.
† <i>Leptosphaeria culmifraga</i> (Fr.) Ces. & de N.:					
<i>Oryza sativa</i> (rice)	Japan	1			Hawaii.
<i>Leptosphaeria niessleana</i> Rab.:					
Orchid	Mexico			1	Ariz.
<i>Leptosphaeria sacchari</i> B. de Haan:					
<i>Saccharum officinarum</i> (sugarcane)	do	1			Tex.
† <i>Leptosphaeria sativii</i> Catt.:					
<i>Oryza sativa</i> (rice)	Thailand	1			N. Y.
† <i>Lophodermium arundinaceum</i> (Fr.) Chev.:					
<i>Phragmites</i> sp.	Czechoslovakia	1			Ill.
<i>Macrophoma araucariae</i> De Lac:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine)	Australia, †Germany, Norfolk Island.			6	Calif.*
† <i>Macrophoma cocos</i> Pass.:					
<i>Cocos nucifera</i> (coconut)	Mexico	2	1		Calif.*
† <i>Macrophoma musae</i> (Cke.) Berl. & Vogl.:					
<i>Musa</i> spp.	Tahiti	1			Calif.*
<i>Macrophoma oleae</i> (DC.) Berl. & Vogl.:					
<i>Olea europaea</i> (olive)	Italy	1			Mich.
† <i>Mainia variabilis</i> (Mayor) Jacks. & Holw.:					
<i>Rubus</i> sp.	Colombia			1	D. C.
<i>Marssonina juglandis</i> (Lib.) Magn.:					
<i>Juglans</i> sp. (walnut)	Italy	1			Mass.
† <i>Marssonina populi</i> (Lib.) Magn.:					
<i>Populus</i> sp. (poplar)	Mexico			1	Tex.
† <i>Melampsora populnea</i> (Pers.) Karst.:					
<i>Populus tremula</i> (European aspen)	Germany	1			Pa.
<i>Melanospora zamiae</i> Cda.:					
<i>Zingiber officinale</i> (ginger)	China, Japan	2			Calif.*
† <i>Meliola acerrata</i> Ell. & Ev.:					
<i>Physalis peruviana</i> (Peruvian groundcherry)	Hawaii	1			Hawaii.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Meliola citricola</i> Syd.:					
<i>Citrus grandis</i>	Thailand.....		1		Calif.*
<i>Citrus limon</i> (lemon).....	†Australia.....	1			Calif.*
<i>Citrus reticulata</i> (Mandarin orange).....	Japan.....	1			Hawaii.
<i>Meloidogyne arenaria</i> (Neal) Chitwood:					
<i>Caladium candidum</i>	Guatemala.....			2	N. J.
<i>Caladium</i> sp.....	†Dominican Republic.....			1	P. R.
<i>Dahlia</i> sp.....	Japan.....			1	Wash.
<i>Rauwolfia serpentina</i>	†Thailand.....			1	D. C.
<i>Solanum tuberosum</i> (potato).....	Chile, †Ecuador, †Peru.....		4		La., Pa.
† <i>Meloidogyne arenaria</i> (Neal) Chitwood <i>thamensi</i> Chitwood:					
<i>Gladiolus</i> sp.....	Japan.....			1	N. Y.
<i>Meloidogyne hapla</i> Chitwood:					
<i>Calamintha grandiflora</i>	†England.....			1	N. J.
<i>Chrysanthemum maximum</i> (Pyrenees chrysanthemum).	do.....			1	N. J.
<i>Clematis</i> sp.....	Netherlands.....			2	N. J.
<i>Dahlia</i> sp.....	†Australia.....			1	Calif.*
<i>Excoecaria crenulata</i>	Japan.....			1	D. C.
<i>Iris kaempferi</i> (Japanese iris).....	do.....			1	N. J.
<i>Ornithogalum</i> sp.....	†Union of South Africa.....			1	N. Y.
<i>Paeonia suffruticosa</i> (tree peony).....	Japan.....			1	Calif.*
<i>Rosa</i> sp. (rose).....	Germany.....			1	N. J.
<i>Solanum tuberosum</i> (potato).....	†Belgium.....		1		N. Y.
<i>Viburnum odoratissimum</i>	Japan.....			1	D. C.
<i>Viola cistanensis</i>	do.....			1	Wash.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood:					
<i>Aloe</i> sp.....	Jamaica.....			1	Fla.*
<i>Calla</i> spp.....	Japan.....			1	N. J.
<i>Dioscorea discolor</i> (whiteband yam).....	Canada.....			1	N. J.
<i>Gardenia augusta</i> (gardenia).....	†Germany.....			1	N. J.
<i>Monstera</i> sp.....	Mexico.....			1	Ariz.
<i>Rhynchosia pyramidalis</i>	†Dominican Republic.....	1			Fla.
<i>Sansevieria</i> spp.....	†Union of South Africa.....			1	D. C.
Soil around violet roots.....	Costa Rica.....			1	Fla.*
<i>Solanum tuberosum</i> (potato).....	†Chile.....		1		Pa.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood <i>acrita</i> Chitwood:					
<i>Allium porrum</i> (leek).....	†French West Africa.....		1		Mass.
<i>Calathea</i> sp.....	†Canal Zone.....			1	Calif.*
<i>Canna</i> sp.....	Mexico.....			1	Ariz.
<i>Hibiscus</i> sp.....	†Bahamas.....			1	Fla.
<i>Lilium</i> sp. (lily).....	Mexico.....			1	P. R.
<i>Polygala paniculata</i>	†Martinique.....	1			P. R.
Soil with unidentified plants.....	†Costa Rica.....			1	Tex.
Soil with succulent plants.....	Mexico.....			1	Tex.
<i>Solanum tuberosum</i> (potato).....	Brazil.....		2		Pa., Va.
<i>Wilkesia gymnorhizum</i>	†France.....			1	D. C.
<i>Meloidogyne javanica</i> (Treub.) Chitwood:					
<i>Asparagus myriocladus</i>	Japan.....			1	Calif.*
Bulb—unknown.....	Mexico.....			1	Ariz.
<i>Caladium</i> sp.....	†Dominican Republic.....			1	P. R.
<i>Freesia</i> sp.....	Italy.....			1	N. J.
<i>Gerbera</i> sp.....	†India.....			1	N. J.
<i>Hedychium coronarium</i> (gingerlily).....	†Hawaii.....			1	Hawaii.
<i>Kaempferia rotunda</i>	India.....			2	Calif.*
<i>Ornithogalum</i> sp.....	Union of South Africa.....			2	N. Y.
Plants—unidentified.....	Mexico.....			2	Ariz., Tex.
<i>Polygonum tuberosum</i> (tuberose).....	India.....			1	N. Y.
<i>Polygonum</i> sp.....	do.....			1	D. C.
<i>Rauwolfia sumatrana</i>	†Thailand.....			1	Mass., Va.
<i>Solanum tuberosum</i> (potato).....	†Brazil.....		2		N. J.
<i>Tecoma</i> spp.....	do.....			1	Fla.
<i>Thunbergia mysorensis</i>	†Jamaica.....			1	La.
<i>Xanthosoma</i> sp. (malanga).....	†Cuba.....		1		Calif.*
<i>Zantedeschia aethiopica</i> (calla lily).....	Japan.....			1	N. J.
Zingiberaceae.....	†Hong Kong.....			1	

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Microdiplodia agaves</i> (Niessl.) Petr.:					
Agave sp.-----	Mexico-----	1			Ariz.
† <i>Monilinia fructicola</i> (Wint.) Honey:					
Malus sylvestris (apple)-----	Denmark-----		1		Calif.*
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
Malus sylvestris (apple)-----	England-----	1	1		Pa.
Pyrus communis (pear)-----	Netherlands-----		1		Pa.
<i>Monilinia lara</i> (Aderh. & Ruhl.) Honey:					
Prunus domestica (plum)-----	†Belgium-----		1		Pa.
Sorbus decora nana-----	England-----			1	N. J.
† <i>Monochaetia paeoniae</i> (Mauubl.) Sacc. & D. Sacc.:					
Paeonia sp. (peony)-----	Netherlands-----			1	N. J.
<i>Mycosphaerella cattleyae</i> Cash & Watson:					
Epidendrum sp. (orchid)-----	†Ecuador-----			1	Fla.
Orchid-----	Costa Rica, †New Guinea-----			2	Calif.* P. R.
<i>Mycosphaerella fragariae</i> (Tul.) Lindau:					
Fragaria sp. (strawberry)-----	Germany, Italy-----			2	Ill., Mass.
<i>Mycosphaerella schoenoprasii</i> (Ces. & de N.) Schroet.:					
Allium cepa (onion)-----	Japan-----		1		Hawaii.
Allium fistulosum (Welsh onion)-----	do-----		13		Pa.
Allium sp.-----	do-----		1		Calif.*
† <i>Myciocypron orchidearum</i> (Mont.) Sacc.:					
Cymbidium sp. (orchid)-----	New Guinea-----			1	Calif.*
<i>Impatiens flavida</i> (Cke.) Mauubl. & Rangel:					
Gardenia augusta (gardenia)-----	Mexico-----	1			Calif.*
<i>Ophiobolus graminis</i> Sacc.(?)					
Triticum aestivum (wheat)-----	France-----	1			N. Y.
† <i>Ophiobolus oryzinus</i> Sacc.:					
Oryza sativa (rice)-----	Japan-----	1			Calif.*
<i>Ophiodothella orchidearum</i> Cash & Watson:					
Orchid-----	Mexico-----			1	Tex.
† <i>Papularia sphaerosperma</i> (Lk.) v. Hoehn.:					
Phragmites communis-----	France-----			1	Calif.*
† <i>Papularia ramosa</i> (Berk. & Curt.) Mason:					
Laurus nobilis (Grecian laurel)-----	Portugal-----	1			Pa.
† <i>Papularia parasitica</i> (Eidam) Harz.:					
Allium sp.-----	Sweden-----		1		Calif.*
† <i>Paraphelenchus amblyurus</i> Steiner (?):					
Soil with sansevieria plants-----	Haiti-----			1	Fla.*
<i>Peronospora effusa</i> (Grev.) Rab.:					
Spinacia oleracea (spinach)-----	Mexico-----	1			Tex.
<i>Peronospora parasitica</i> (Fr.) de By.:					
Brassica oleracea capitata (cabbage)-----	Germany-----		1		P. R.
<i>Pestalotia coffeae</i> Zimm.:					
Gardenia augusta (gardenia)-----	Mexico-----	1			Tex.
<i>Pestalotia conspicua</i> Servazzi:					
Brassavola sp. (orchid)-----	†British Honduras-----			1	Tex.
Dendrobium undulatum (orchid)-----	†Indonesia-----			1	Hawaii.
Laelia superbiens (orchid)-----	Guatemala-----			1	Tex.
Masdevallia sp. (orchid)-----	Costa Rica-----			1	Hawaii.
Oncidium sp. (orchid)-----	do-----			1	Hawaii.
Schomburgkia sp. (orchid)-----	†British Honduras, Mexico-----			2	Tex.
<i>Pestalotia psidii</i> Pat.:					
Psidium guajava (guava)-----	Mexico-----	4			Ariz., Calif., Tex.
<i>Phoma citricarpa</i> McAlp.:					
Citrus limon (lemon)-----	Australia, Union of South Africa, un- known-----	1	13		Calif.*, Hawaii, Md., Mass., Pa., Tex.
<i>Citrus paradisi</i> (grapefruit)-----	Japan, Pakistan, Union of South Africa-----	1	5		Calif.*, Mass., N. Y., Pa.
<i>Citrus reticulata</i> (Mandarin orange)-----	China, †Hong Kong, Japan, Macao, Philippines-----	23	5		Calif.*, Hawaii, N. Y.

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Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Phoma citricarpa</i> McAlp.:—Continued					
<i>Citrus sinensis</i> (orange)-----	Africa, Australia, Brazil, China, Hong Kong, Japan, Mozambique, Union of South Africa, unknown.	21	43	---	Ala., Calif.*, Hawaii, Md., Mass., N. Y., Pa., Tex.
<i>Citrus sinensis valencia</i> -----	Union of South Africa--	---	2	---	Pa.
<i>Citrus</i> sp. (orange)-----	Hong Kong-----	4	---	---	Mass., N. Y.
<i>Citrus</i> sp.-----	Hong Kong, Japan, Mozambique, Union of South Africa.	10	2	---	Calif.*, Hawaii, Ill., Mass., Oreg., Tex.
<i>Phoma citricarpa</i> McAlp. (?):					
<i>Citrus sinensis</i> (orange)-----	Mozambique-----	---	1	---	Mass.
<i>Phoma limonii</i> Thuem.: <i>Citrus limon</i> (lemon)-----	Italy-----	1	---	---	Mass.
<i>Phoma nebulosa</i> (Fr.) Berk.: <i>Pastinaca sativa</i> (parsnip)-----	Australia-----	---	1	---	Calif.*
† <i>Phomopsis orchidophila</i> Cash & Watson: Orchid-----	Ecuador-----	---	---	1	Tex.
<i>Phomopsis palmicola</i> (Wint.) Sacc.: <i>Areca cathecu</i> (betel palm)-----	Guam-----	1	---	---	Calif.*
<i>Phragmidium discolorum</i> (Tode) James: <i>Rosa</i> sp. (rose)-----	†Brazil, †Norway-----	1	1	---	N. Y., P. R.
† <i>Phyllachora canafistulae</i> F. L. Stevens & Dalbey: <i>Cassia fistula</i> (golden-shower)-----	Puerto Rico-----	1	---	---	P. R.
† <i>Phyllachora graminis</i> (Fr.) Fekl.: <i>Zizania</i> sp.-----	Japan-----	---	1	---	Calif.*
† <i>Phyllachora sanguinolenta</i> Th. & Syd.: <i>Urochloa mosambicensis</i> -----	Mozambique-----	---	---	1	D. C.
† <i>Phyllosticta cajani</i> Rangel: <i>Cajanus cajan</i> (pigeonpea)-----	Honduras-----	1	---	---	Fla.*
† <i>Phyllosticta coccolobae</i> Ell. & Ev.: <i>Coccoloba wifera</i> (seagrape)-----	Kwajalein-----	---	---	2	Hawaii.
<i>Phyllosticta concava</i> Seaver (?): <i>Pachycereus marginatus</i> (organpipe cactus)-----	Mexico-----	---	---	1	Ariz.
† <i>Phyllosticta fusco-zonata</i> Thuem. (?): <i>Rubus</i> sp.-----	Italy-----	---	1	---	Mass.
† <i>Phyllosticta gaultheriae</i> Ell. & Ev.: <i>Gaultheria procumbens</i> -----	Germany-----	---	---	1	Ill.
† <i>Phyllosticta hedericola</i> Dur. & Mont.: <i>Hedera</i> sp.-----	Netherlands-----	---	---	1	N. J.
† <i>Phyllosticta phoradendri</i> Bonar: <i>Phoradendron</i> sp. (American mistletoe)-----	Mexico-----	1	---	---	Ariz.
† <i>Phyllosticta pleurothallidis</i> Keissl. (?): <i>Epidendrum</i> sp. (orchid)-----	Salvador-----	---	---	1	Tex.
<i>Phyllostictina mangiferae</i> Batista & Vital: <i>Mangifera indica</i> (mango)-----	Mexico-----	1	---	---	Tex.
<i>Physalospora woldemannia</i> Sacc.: <i>Cymbidium elegans</i> (orchid)-----	India-----	---	---	1	N. J.
† <i>Phytophthora palmivora</i> Butl.: <i>Theobroma cacao</i> (cacao bean)-----	Antigua-----	1	---	---	P. R.
† <i>Pleospora agaves</i> de N.: <i>Agave</i> sp.-----	Mexico-----	---	---	1	Ariz.
<i>Cactus</i> -----	do-----	---	---	1	Ariz.
† <i>Pleospora diaportheoides</i> Ell. & Ev. (?): <i>Pachycereus marginatus</i> (organpipe cactus)-----	do-----	---	---	3	Ariz.
<i>Pachycereus</i> sp.-----	do-----	---	---	1	Ariz.
† <i>Plicaria fulva</i> R. Schneid.: <i>Gerbera</i> sp.-----	India-----	---	---	1	N. J.
† <i>Pratylenchus minyus</i> Sher & Allen: <i>Nerium oleander</i> (oleander)-----	Austria-----	1	---	---	N. Y.
<i>Pratylenchus penetrans</i> (Cobb) Sher & Allen: <i>Begonia</i> sp.-----	Azores-----	---	---	1	Mass.
<i>Gesneria umbellata</i> -----	Netherlands-----	---	---	1	N. J.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Pratylenchus penetrans</i> (Cobb) Sher & Allen:—					
Continued					
<i>Nerium oleander</i> (oleander).....	†Austria.....	1			N. Y.
Soil with cactus plants.....	†Canada.....			1	Mass.
Soil with hydrangea plants.....	†Iran.....			1	Mass.
<i>Pratylenchus pratensis</i> (De Man) Filip.:—					
<i>Gesneria umbellata</i>	Netherlands.....			1	N. J.
Soil with hydrangea.....	†Iran.....			1	Mass.
† <i>Pratylenchus vulnus</i> Allen & Jensen:					
Soil with citrus and olive trees.....	Italy.....			1	N. Y.
† <i>Pseudomicrocera henningii</i> (Koord.) Petch:					
Scale insect on <i>Chamaedorea</i> sp.....	Mexico.....	1			Tex.
<i>Pseudomonas marginala</i> (McCull.) Stapp:					
<i>Gladiolus</i> sp.....	Canada.....			1	Mich.
† <i>Pseudopeziza ribis</i> Kleb.:—					
<i>Ribes nigrum</i> (European black currant).....	Germany.....			1	Ill.
† <i>Puccinia allii</i> (DC.) Rudolphi:					
<i>Allium sativum</i> (garlic).....	Israel.....		1		Tex.
<i>Puccinia buxi</i> DC.:—					
<i>Buxus microphylla japonica</i>	†Japan.....			1	D. C.
<i>Buxus sempervirens</i> (box).....	France.....			1	D. C.
<i>Buxus</i> sp.....	England(?).....			1	N. Y.
<i>Puccinia chrysanthemi</i> Roze:					
<i>Chrysanthemum</i> sp.....	Japan.....	2	2	2	Calif.* D. C., Hawaii, Wash.
<i>Puccinia glumarum</i> (Schm.) Eriks. & E. Henn.:—					
<i>Triticum aestivum</i> (wheat).....	France.....	1			Ill.
† <i>Puccinia hemerocallidis</i> Thuen.:—					
<i>Hemerocallis</i> sp.....	Japan.....			1	D. C.
<i>Puccinia horiana</i> P. Henn.:—					
<i>Chrysanthemum</i> sp.....	do.....		2	2	D. C., Hawaii, Wash.
† <i>Puccinia juncophila</i> Cke. & Mass. (?):—					
<i>Juncus</i> sp.....	Australia.....			1	Ill.
† <i>Puccinia menthae</i> Pers. (?):—					
Labiatae.....	Morocco.....			1	S. C.
<i>Puccinia ornithogalli-thyrsoidea</i> Diet.:—					
<i>Ornithogalum thyrsoidea</i> (chinkerichee).....	Union of South Africa.....	1			N. Y.
<i>Puccinia urbaniana</i> P. Henn.:—					
<i>Stachytarpheta jamaicensis</i>	Puerto Rico.....	1			P. R.
† <i>Pyrenochaeta spinicola</i> Speg. (?):—					
Cactus.....	Mexico.....			1	Ariz.
† <i>Ravenelia brongniartiae</i> Diet. & Holw.:—					
<i>Brongniartia</i> sp.....	do.....			1	D. C.
† <i>Ravenelia papillifera</i> Syd.:—					
<i>Cassia covesii</i>	do.....			1	D. C.
Ringspot virus (?):—					
<i>Citrullus vulgaris</i> (watermelon).....	do.....	2			Ariz.
† <i>Rotylenchus erythrinae</i> (Zimmermann)					
Goodey (?):—					
Soil with <i>Aloe</i> sp. plants.....	Jamaica.....			1	Fla.*
† <i>Rotylenchus reinformis</i> Linford & Oliveira:					
Soil with unidentified bulbs.....	Cuba.....			1	Fla.*
<i>Rotylenchus robustus</i> (De Man) Filip.:—					
Soil with carnation and primrose plants and					
tuberose bulbs.....	†England.....			1	Mass.
Soil with hyacinth plant.....	Germany.....			1	N. Y.
Soil with unidentified plants.....	Canada.....			1	Mass.
<i>Sclerotiopsis testudinea</i> Dearn:					
<i>Paeonia suffruticosa</i> (tree peony).....	Japan.....			16	Calif.*
<i>Sclerotium cepivorum</i> Berk.:—					
<i>Allium sativum</i> (garlic).....	Italy, Spain.....	3			La., P. R.
<i>Scutellonema brachyurum</i> (Steiner) Andrássay:					
Soil with amaryllis bulbs.....	do.....			2	Tex.
Soil with ferns, rose plants, and lily bulbs.....	†Azores.....			1	Mass.
Soil with oleander plants.....	Italy.....			1	Mass.
Soil with philodendron, sansevieria, and caladium plants.....	†Canada.....			1	Mass.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Scutellonema bradys</i> (Steiner & Le Hew) Andras-say:					
<i>Dioscorea</i> sp. (yam)-----	†Nigeria-----	1			Mass.
‡ <i>Septoria antirrhini</i> Desm.: <i>Antirrhinum majus</i> (snapdragon)-----	France-----			1	D. C.
‡ <i>Septoria astericola</i> Ell. & Ev.: <i>Aster</i> sp.-----	England-----			1	N. J.
<i>Septoria azaleae</i> Vogl.: <i>Rhododendron</i> sp.-----	Netherlands-----			1	N. J.
<i>Septoria chrysanthemi</i> Allesch.: <i>Chrysanthemum morifolium</i> -----	Japan-----		1		Wash.
<i>Chrysanthemum</i> sp.-----	England-----			1	N. J.
<i>Septoria citri</i> Pass.: <i>Citrus limon</i> (lemon)-----	Italy-----		5		Calif.*
<i>Citrus paradisi</i> (grapefruit)-----	Japan, Union of South Africa-----		2		Calif.*
<i>Citrus reticulata</i> (Mandarin orange)-----	Japan, †Macao-----	1	1		Calif.*
<i>Citrus sinensis</i> (orange)-----	†Mexico, Spain-----		3		Calif.* Mass.
<i>Septoria oryzae</i> Catt.: <i>Oryza sativa</i> (rice)-----	Japan-----		1		Calif.*
<i>Septoria petroselinii</i> Desm.: <i>Petroselinum crispum</i> (parsley)-----	†Azores, Ireland, Mo- rocco-----		3		Mass., Tex., Va.
† <i>Septoria sapotae</i> Batista: <i>Achras zapota</i> (sapodilla)-----	Mexico-----	1			Tex.
<i>Septoria selenophomoides</i> Cash & Watson: <i>Masdevallia reichenbachiana</i> (orchid)-----	England-----			1	N. J.
<i>Masdevallia toarensis</i> -----	England, †Germany-----			2	N. J., N. Y.
‡ <i>Sorosporium cenchri</i> P. Henn.: <i>Cenchrus</i> sp.-----	Mexico-----	1			Ariz.
† <i>Spegazzinia ornata</i> Sacc.: <i>Bromeliad</i> -----	do-----			1	Ariz.
<i>Sphaceloma fauettii</i> Jenkins var. <i>scabiosa</i> (Mc- Alp. & Tyron) Bitanc. & Jenkins: <i>Citrus aurantifolia</i> (lime)-----	Australia-----		1		Hawaii.
<i>Citrus hystrix</i> -----	do-----		1		Hawaii.
<i>Citrus limon</i> (lemon)-----	do-----		2		Hawaii.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins: <i>Punica granatum</i> (pomegranate)-----	Mexico-----	5			Ariz., Tex.
<i>Sphaerostilbe aurantiicola</i> (Berk. & Br.) Petch: <i>Citrus limon</i> (lemon)-----	Cuba-----	1			Fla.*
† <i>Sphaerotheca humuli</i> (DC.) Burr.: <i>Rosa</i> sp. (rose)-----	Panama-----		1		Fla.*
<i>Sphenospora kevorianii</i> Inder: <i>Epidendrum</i> sp. (orchid)-----	Ecuador-----			1	Calif.*
<i>Oncidium</i> sp. (orchid)-----	†British Honduras-----			1	Fla.
Orchid-----	†Cuba-----			2	Fla.
† <i>Sphenospora mera</i> Cummins: Orchid-----	Ecuador-----	1		1	Calif.* Fla.
<i>Stagonospora gigantea</i> Heald & Wolf: <i>Agave</i> sp.-----	Mexico-----			1	Tex.
<i>Yucca</i> sp.-----	do-----			1	Tex.
<i>Stagonospora macrospora</i> (Dur. & Mont.) Sacc.: <i>Yucca</i> sp.-----	do-----			1	Tex.
† <i>Stemphylium botryosum</i> Wallr.: <i>Capsicum frutescens</i> (pepper)-----	Liberia-----		1		St. Thomas & St. John.
‡ <i>Stemphylium consortiale</i> (Thuem.) Groves & Skolko: <i>Dieffenbachia</i> sp.-----	Mexico-----			1	Tex.
† <i>Stemphylium radicinum</i> (Meier, Drechs. & Eddy) Neerg.: <i>Daucus carota</i> (carrot)-----	Belgium-----		1		Calif.*
† <i>Teichospora opuntiae</i> Ell. & Ev.: <i>Cactus</i> -----	Mexico-----			1	Ariz.
<i>Lemaireocereus</i> sp. (cactus)-----	do-----			1	Ariz.
<i>Thielaviopsis basicola</i> (Berk. & Br.) Ferr.: <i>Aconitum napellus</i> -----	Netherlands-----			1	N. J.
<i>Paeonia suffruticosa</i> (tree peony)-----	Japan-----			1	Calif.*
<i>Sinningia</i> sp.-----	†Germany-----			1	Calif.*

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Tilletia horrida</i> Tak.: <i>Oryza sativa</i> (rice).....	Japan.....		1		Calif.*
‡ <i>Torula rhododendri</i> Kze.: <i>Rhododendron</i> sp.....	Switzerland.....	3			Calif.*, Ill.
<i>Tritirachium dependens</i> Limber: <i>Lilium longiflorum</i> (Easter lily).....	Japan.....			1	Calif.*
<i>Lilium tigrinum</i> (tiger lily).....	do.....			2	Calif.*
<i>Tubercularia vulgaris</i> Fr.: <i>Salix</i> sp. (willow).....	Netherlands.....		1		Pa.
‡ <i>Tylenchorhynchus brevidens</i> M. W. Allen: Soil with primrose plants.....	Ireland.....			1	Mass.
‡ <i>Tylenchorhynchus capitatus</i> M. W. Allen: Plant—unidentified.....	Mexico.....			1	Ariz.
<i>Tylenchorhynchus dubius</i> (Butschli) Filip.: Soil with carnation plants.....	†Azores.....			1	Mass.
Soil with unidentified plants.....	†Canada.....			1	Mass.
‡ <i>Tylenchorhynchus martini</i> Fielding: Soil with coconut plants.....	Unknown.....			1	La.
<i>Tylenchus filiformis</i> (Butschli) Goodey: Cactus.....	†Greece.....			1	Mass.
Soil with stonecrop plant.....	Italy.....			1	Mass.
<i>Uredo behmickiana</i> P. Henn.: <i>Epidendrum fragrans</i> (?) (orchid).....	Costa Rica.....			1	Fla.
<i>Epidendrum prismatocarpum</i>	do.....			1	Fla.
<i>Epidendrum</i> sp.....	Costa Rica, Mexico.....			2	Calif.*, Tex.
<i>Laelia anceps</i> (orchid).....	Mexico.....			1	Tex.
<i>Oncidium forbesi</i> (orchid).....	Brazil.....			1	Fla.
<i>Oncidium</i> sp.....	Brazil, unknown.....			2	Fla., Wash.
Orchid.....	Brazil.....			1	Calif.*
<i>Schomburgkia undulata</i> (orchid).....	Costa Rica.....			3	Fla.
<i>Uredo epidendri</i> P. Henn.: <i>Epidendrum stamfordianum</i> (orchid).....	†British Honduras.....			1	Fla.
<i>Oncidium phalaenopsis</i> (orchid).....	†Ecuador.....			1	Fla.
Orchid.....	do.....			1	Calif.*
<i>Schomburgkia</i> sp. (orchid).....	do.....			3	Fla.
<i>Uredo epidendri</i> P. Henn. (?): <i>Epidendrum difforme</i> (?) (orchid).....	†Puerto Rico.....			1	Fla.
<i>Epidendrum imatophyllum</i>	Canal Zone.....			1	Calif.*
<i>Epidendrum stamfordianum</i>	do.....			1	Fla.
<i>Epidendrum</i> sp.....	Cuba.....			2	Fla.
<i>Laelia</i> sp. (orchid).....	†Salvador.....			2	Fla.
<i>Odontoglossum bicorniense</i> (orchid).....	Guatemala.....			1	Calif.*
<i>Oncidium</i> sp. (orchid).....	†Dominican Republic, Salvador.....			2	Fla.
<i>Schomburgkia</i> sp. (orchid).....	Ecuador.....			8	Fla.
<i>Uredo guacae</i> Mayor: <i>Epidendrum</i> sp. (orchid).....	Cuba.....			1	Fla.
<i>Ionopsis</i> sp. (orchid).....	do.....			1	Fla.
Orchid.....	†Bolivia.....			1	Calif.*
<i>Stanhopea</i> sp. (orchid).....	Brazil, Costa Rica.....			2	Fla.
<i>Uredo guacae</i> Mayor (?): <i>Epidendrum atropurpureum</i> (orchid).....	Salvador.....			1	Fla.
<i>Epidendrum</i> sp.....	Costa Rica, †Panama, †Puerto Rico.....			3	Fla.
Orchid.....	Cuba.....			1	Fla.
<i>Stanhopea tigrina</i> (orchid).....	Guatemala.....			1	Fla.
<i>Tetipogon</i> sp. (orchid).....	Ecuador.....			1	D. C.
<i>Uredo nigropuncta</i> P. Henn.: <i>Epidendrum</i> sp. (orchid).....	Costa Rica, Cuba.....			2	Fla.
<i>Ionopsis</i> sp. (orchid).....	Jamaica.....			1	Fla.
<i>Uredo nigropuncta</i> P. Henn. (?): <i>Ionopsis</i> sp. (orchid).....	†Netherlands Guiana.....			1	Fla.
<i>Laelia</i> sp. (orchid).....	Costa Rica.....			1	Fla.
Orchid.....	†Canal Zone.....			1	Fla.
<i>Uredo oncidii</i> P. Henn.: <i>Oncidium cavendishianum</i> (orchid).....	Guatemala.....			1	Fla.
<i>Oncidium echinatum</i>	Brazil.....			1	Fla.
<i>Oncidium luridum</i>	†British Honduras.....			1	Fla.
<i>Oncidium pusillum</i>	†Canal Zone.....			1	Fla.

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Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Uredo oncidii</i> P. Henn.:—Continued					
<i>Oncidium splendidum</i>	Honduras.....			2	Fla.
<i>Oncidium</i> sp.....	Costa Rica, Guatemala, †Salvador.			5	Fla.
<i>Uredo oncidii</i> P. Henn. (?):					
<i>Oncidium cavendishianum</i> (orchid).....	England.....			1	N. J.
<i>Oncidium laxense</i>	Ecuador.....			1	D. C.
<i>Oncidium pusillum</i>	do.....			1	Fla.
<i>Oncidium splendidum</i>	Honduras.....			2	Fla.
† <i>Uredo scabiei</i> Cke.:					
<i>Vanilla</i> sp. (orchid).....	Panama.....			1	Fla.
† <i>Urocystis cepulae</i> Frost:					
<i>Allium cepa</i> (onion).....	Israel.....		1		Fla.
<i>Urocystis gladiolicola</i> Ains.:					
<i>Gladiolus</i> sp.....	Netherlands.....			2	N. J., Wash.
<i>Uromyces alyxiae</i> Arth.:					
<i>Alyxia olivaeformis</i> (maile).....	Hawaii.....	2			Calif.*, Hawaii.
‡ <i>Uromyces junci</i> (Desm.) Tul.:					
Juncaceae (?).....	Portugal.....	1			Hawaii
† <i>Uromyces leptodermus</i> Syd.:					
<i>Urochloa mosambicensis</i>	Mozambique.....			1	D. C.
<i>Uromyces lespedezae-procumbentis</i> (Schw.) Curt.:					
<i>Lespedeza thunbergii</i>	Japan.....			2	Calif.*
† <i>Uromycladium tepperianum</i> (Sacc.) McAlp.:					
<i>Acacia aneura</i>	Australia.....			1	Tex.
<i>Xanthomonas citri</i> (Hesse) Dowson:					
<i>Citrus aurantium</i> (sour orange).....	Japan.....		14		Calif.*, Md., Pa.
<i>Citrus grandis</i>	Formosa, Japan, Thailand.		3		Calif.*, Pa.
<i>Citrus limon</i> (lemon).....	Japan.....		4		Calif.*
<i>Citrus paradisi</i> (grapefruit).....	China, Japan.....	1	1		Ill., Wash.
<i>Citrus reticulata</i> (Mandarin orange).....	do.....	2	3		Calif.*
<i>Citrus reticulata unshiu</i> (satsuma orange).....	†Hong Kong.....	1			Hawaii
<i>Citrus sinensis</i> (orange).....	China, Japan.....	2	31		Calif.*, Hawaii, Ill., Md., Pa.
<i>Xanthomonas citri</i> (Hesse) Dowson (?):					
<i>Citrus aurantifolia</i> (lime).....	Philippines.....	1			Hawaii.
<i>Citrus grandis</i> (pummelo).....	Japan.....	1			Hawaii.
<i>Citrus limon</i> (lemon).....	do.....		2		Wash.
<i>Xanthomonas malvacearum</i> (E. F. Sm.) Dowson:					
<i>Gossypium</i> sp. (cotton).....	Bahamas.....	1			Fla.*
<i>Xanthomonas</i> sp. (Canceris B):					
<i>Citrus limon</i> (lemon).....	Argentina.....		2		N. Y., Pa.
† <i>Zygorhynchus japonicus</i> Komine mi:					
<i>Eleocharis dulcis</i> (waternut).....	China.....	1			Calif.*

An asterisk (*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates first record of its interception by Division inspectors.

Hosts and Diseases

- ACACIA:
†*Uromyces ladii* (Promycetes)
- ACER:
Cytospora ambiens (Deuteromycetes)
- ACHRAS:
†*Septoria sapotae* (Deuteromycetes)
- ACONITUM:
Thielaviopsis basicola (Deuteromycetes)
- AGAVE:
Colletotrichum agaves (Deuteromycetes)
Hendersonia agaves (Deuteromycetes)
Microdiplodia agaves (Deuteromycetes)
†*Pleospora agaves* (Ascomycetes)
Stagonospora gigantea (Deuteromycetes)
- ALLIUM CEPA:
Mycosphaerella schoenoprasii (Ascomycetes)
†*Urocystis cepulae* (Promycetes)
- ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasii (Ascomycetes)
- ALLIUM PORRUM:
†*Cladosporium fasciculare* (Deuteromycetes)
†*Helicotylenchus multicinctus* (Nematoda)
Helicotylenchus nannus (Nematoda)
Heterosporium allii (Deuteromycetes)
Meloidogyne incognita var. *acrida* (Nematoda)
- ALLIUM SATIVUM:
Ditylenchus dipsaci (Nematoda)
Puccinia allii (Promycetes)
Sclerotium cepivorum (Deuteromycetes)
- ALLIUM sp.:
Mycosphaerella schoenoprasii (Ascomycetes)
†*Papulaspora parasticta* (Deuteromycetes)
- ALOE:
Meloidogyne incognita (Nematoda)
†*Helicotylenchus erythraei* (?) (Nematoda)
- ALYXIA:
Uromyces albiziae (Promycetes)
- ANTIRRHINUM:
†*Septoria antirrhini* (Deuteromycetes)
- ARAUCARIA:
†*Chlamydomyces palmarum* (Deuteromycetes)
Cryptospora longispora (Ascomycetes)
Diaporthe eres (Ascomycetes)
Macrophoma araucariae (Deuteromycetes)
- ARECA:
†*Colletotrichum arecae* (Deuteromycetes)
Phomopsis palmiticola (Deuteromycetes)
- ASPARAGUS:
Meloidogyne javanica (Nematoda)
- ASTER:
Coleosporium solidaginis (Promycetes)
†*Septoria astericola* (Deuteromycetes)
- BEGONIA:
Helicotylenchus nannus (Nematoda)
Pratylenchus penetrans (Nematoda)
- BETULA:
†*Asterosporium hoffmanni* (Deuteromycetes)
- BRASSAVOLA:
Pestalotia conspicua (Deuteromycetes)
- BRASSICA OLERACEA CAPITATA:
Peronospora parasitica (Phycomycetes)
- BROMELIAD:
†*Echidnodes bromeliacearum* (Ascomycetes)
†*Spegazzinia ornata* (Deuteromycetes)
- BRONGNIARTIA:
†*Ravenelia brongniartiae* (Promycetes)
- BUXUS:
Puccinia buxi (Promycetes)
- CACTUS:
Hendersonia opuntiae (Deuteromycetes)
†*Pleospora agaves* (Ascomycetes)
†*Pyrenochaeta spinicola* (?) (Deuteromycetes)
†*Teichospora opuntiae* (Ascomycetes)
Tylenchus filiformis (Nematoda)
- CAJANUS:
Colletotrichum cajani (Deuteromycetes)
†*Phyllosticta cajani* (Deuteromycetes)
- CALADIUM:
Meloidogyne arenaria (Nematoda)
Meloidogyne javanica (Nematoda)
- CALAMINTHA:
Meloidogyne hapla (Nematoda)
- CALANTHE:
Coleosporium bletiae (Promycetes)
- CALATHEA:
Meloidogyne incognita var. *acrida* (Nematoda)
- CALLA:
Meloidogyne incognita (Nematoda)
- CAMELLIA:
Discosia artocreas (Deuteromycetes)
- CANNA:
Meloidogyne incognita var. *acrida* (Nematoda)
- CAPSIUM:
Colletotrichum capsici (Deuteromycetes)
†*Stemphylium botryosum* (Deuteromycetes)
- CASSIA:
†*Phyllachora canafistulae* (Ascomycetes)
Ravenelia papillifera (Promycetes)
- CENCHRUS:
†*Sorosporium cenechri* (Promycetes)
- CHAENOMELES:
Diaporthe eres (Ascomycetes)
- CHAMAEDOREA:
†*Hyperella sloaneae* (Ascomycetes)
- CHRYSAETHMUM:
Cylindrosporium chrysanthemi (Deuteromycetes)
Meloidogyne hapla (Nematoda)
Puccinia chrysanthemi (Promycetes)
Puccinia koriana (Promycetes)
Septoria chrysanthemi (Deuteromycetes)
- CITRULLUS:
Ringspot virus (?)
- CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Hendersonia citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (?) (Schizomycetes)
- CITRUS AURANTIUM:
Xanthomonas citri (Schizomycetes)
- CITRUS GRANDIS:
Meliola citricola (Ascomycetes)
Xanthomonas citri (Schizomycetes)
- CITRUS HYSTRIX:
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
- CITRUS LIMON:
Elsinoe australis (Ascomycetes)
Erwinia citricaulaculans (Schizomycetes)
"Leprosis"
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Phoma limoni (Deuteromycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Sphaerostilbe aurantiicola (Ascomycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancerosis B) (Schizomycetes)
- CITRUS PARADISI:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
- CITRUS RETICULATA:
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
- CITRUS RETICULATA VAR. UNSHIU:
Xanthomonas citri (Schizomycetes)
- CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Elsinoe australis (Ascomycetes)
"Leprosis"
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
- CITRUS SINENSIS VAR. VALENCIA:
Phoma citricarpa (Deuteromycetes)
- CITRUS SP. (orange):
Phoma citricarpa (Deuteromycetes)
- CITRUS SP.:
Phoma citricarpa (Deuteromycetes)
- CLEMATIS:
Meloidogyne hapla (Nematoda)
- CLIVIA:
Colletotrichum cliviae (Deuteromycetes)

Hosts and Diseases—Continued

- COCOLOBIA:**
†*Phyllosticta coccolobae* (Deuteromycetes)
- COCOS:**
†*Ceratocystis radicola* (Ascomycetes)
†*Epicoecium cocos* (Deuteromycetes)
†*Macrophoma cocos* (Deuteromycetes)
- COFFEA:**
†*Cercospora coffeicola* (Deuteromycetes)
- COLOCASIA:**
†*Helicotylenchus nannus* (Nematoda)
- CORLANDRUM:**
†*Alternaria dauci* (Deuteromycetes)
- CYMBIDIUM:**
†*Mytiocpron orchidearum* (Ascomycetes)
†*Phyalospora wildemanniana* (Ascomycetes)
- CYTISUS:**
†*Coniothyrium leguminum* (Deuteromycetes)
- DACTYLIS:**
†*Coniothecium glumarum* (Deuteromycetes)
- DAHLIA:**
†*Coleosporium dahliae* (Promycetes)
†*Meloidogyne arenaria* (Nematoda)
†*Meloidogyne hapla* (Nematoda)
- DAUCUS:**
†*Stemphylium radicum* (Deuteromycetes)
- DENDROBIUM:**
†*Pestalotia conspicua* (Deuteromycetes)
- DIANTHUS:**
†*Alternaria dianthi* (Deuteromycetes)
†*Alternaria dianthicola* (Deuteromycetes)
†*Heterosporium echinulatum* (Deuteromycetes)
- DIEFFENBACHIA:**
†*Stemphylium consortiale* (Deuteromycetes)
- DIOSCOREA:**
†*Meloidogyne incognita* (Nematoda)
†*Scutellonema bradyi* (Nematoda)
- ELEOCHARIS:**
†*Zygoryhynchus japonicus* (Phycomycetes)
- EPIDENDRUM:**
†*Mycosphaerella cattleyae* (Ascomycetes)
†*Phyllosticta pleurothallidis* (?) (Deuteromycetes)
†*Sphenospora kevorkianii* (Promycetes)
†*Uredo behnickiana* (Promycetes)
†*Uredo epidendri* (?) (Promycetes)
†*Uredo guacae* (Promycetes)
†*Uredo nigropuncta* (Promycetes)
- ERYNGIUM:**
†*Cercospora apii* (Deuteromycetes)
- EXCOECARIA:**
†*Meloidogyne hapla* (Nematoda)
- FAGUS:**
†*Fusicoccum galeculatum* (Deuteromycetes)
†*Hendersonia piriformis* (Deuteromycetes)
- FRAGARIA:**
†*Mycosphaerella fragariae* (Ascomycetes)
- FREEZIA:**
†*Meloidogyne javanica* (Nematoda)
- GALANTHUS:**
†*Fusarium oxysporum* f. *narcissi* (?) (Deuteromycetes)
- GARDENIA:**
†*Colletotrichum coffeanum* (Deuteromycetes)
†*Meloidogyne incognita* (Nematoda)
†*Omphalia flava* (Basidiomycetes)
†*Pestalotia coffea* (Deuteromycetes)
- GAULTHERIA:**
†*Phyllosticta gaultheriae* (Deuteromycetes)
- GENISTA:**
†*Coniothyrium genistae* (Deuteromycetes)
- GERBERA:**
†*Meloidogyne javanica* (Nematoda)
†*Plicaria fulva* (Ascomycetes)
- GESNERIA:**
†*Pratylenchus penetrans* (Nematoda)
†*Pratylenchus pratensis* (Nematoda)
- GINKGO:**
†*Diaporthe eres* (Ascomycetes)
- GLADIOLUS:**
†*Fusarium oxysporum* f. *gladioli* (Deuteromycetes)
†*Meloidogyne arenaria* var. *thamesi* (Nematoda)
†*Pseudomonas marginata* (Schizomycetes)
†*Urocystis gladiolicola* (Promycetes)
- GLYCINE:**
†*Ascochyta pisi* (Deuteromycetes)
- GOSSYPIUM:**
†*Xanthomonas malvacearum* (Schizomycetes)
- HEDERA:**
†*Colletotrichum trichellum* (Deuteromycetes)
†*Phyllosticta hedericola* (Deuteromycetes)
- HEDYCHIUM:**
†*Meloidogyne javanica* (Nematoda)
- HEMEROCALLIS:**
†*Puccinia hemerocallidis* (Promycetes)
- HIBISCUS:**
†*Meloidogyne incognita* var. *acrita* (Nematoda)
- IONOPSIS:**
†*Uredo guacae* (Promycetes)
†*Uredo nigropuncta* (Promycetes)
- IPOMOEA:**
†*Fusarium oxysporum* f. *batatas* (Deuteromycetes)
- IRIS:**
†*Heterosporium iridis* (Deuteromycetes)
†*Meloidogyne hapla* (Nematoda)
- JUGLANS:**
†*Marssonina juglandis* (Deuteromycetes)
- JUNCACEAE:**
†*Uromyces junci* (Promycetes)
- JUNCUS:**
†*Puccinia juncophila* (?) (Promycetes)
- JUNIPERUS:**
†*Gymnosporangium haraeae* (Promycetes)
- KAEMPFERIA:**
†*Meloidogyne javanica* (Nematoda)
- LABIATAE:**
†*Puccinia menthae* (?) (Promycetes)
- LABURNUM:**
†*Coniothyrium cytisellum* (Deuteromycetes)
- LAELIA:**
†*Pestalotia conspicua* (Deuteromycetes)
†*Uredo behnickiana* (Promycetes)
†*Uredo epidendri* (?) (Promycetes)
†*Uredo nigropuncta* (?) (Promycetes)
- LAURUS:**
†*Papularia vinosa* (Deuteromycetes)
- LEMAIREOCEREUS:**
†*Teichospora opuntiae* (Ascomycetes)
- LESPEDEZA:**
†*Uromyces lespedezae-procumbentis* (Promycetes)
- LILIUM:**
†*Meloidogyne incognita* var. *acrita* (Nematoda)
†*Tritirachium dependens* (Deuteromycetes)
- MAHONIA:**
†*Cumminsella mirabilissima* (Promycetes)
- MALUS:**
†*Gloeosporium album* (Deuteromycetes)
†*Monilinia fructicola* (Ascomycetes)
†*Monilinia fructigena* (Ascomycetes)
- MANGIFERA:**
†*Cercospora mangiferae* (Deuteromycetes)
†*Elsinoe mangiferae* (Ascomycetes)
†*Phyllosticta mangiferae* (Deuteromycetes)
- MASDEVALLIA:**
†*Pestalotia conspicua* (Deuteromycetes)
†*Septoria selenophomoides* (Deuteromycetes)
- MONSTERA:**
†*Meloidogyne incognita* (Nematoda)
- MUSA:**
†*Cercospora musae* (Deuteromycetes)
†*Helminthosporium terulosum* (Deuteromycetes)
†*Macrophoma musae* (Deuteromycetes)
- NARCISSUS:**
†*Ditylenchus dipsaci* (Nematoda)
- NERIUM:**
†*Pratylenchus minyus* (Nematoda)
†*Pratylenchus penetrans* (Nematoda)
- NOTHOPANAX:**
†*Cercospora panacis* (?) (Deuteromycetes)
- ODONTOGLOSSUM:**
†*Uredo epidendri* (?) (Promycetes)
- OLEA:**
†*Macrophoma oleae* (Deuteromycetes)
- ONCIDIUM:**
†*Pestalotia conspicua* (Deuteromycetes)
†*Sphenospora kevorkianii* (Promycetes)

See footnotes at the end of this list.

Hosts and Diseases—Continued

ONCIDIUM—Continued

- Uredo behnickiana* (Promycetes)
- Uredo epidendri* (Promycetes)
- Uredo oncidii* (Promycetes)

ORCHID:

- Camarosporium orchidicola* (Deuteromycetes)
- Leptosphaeria niessleana* (Ascomycetes)
- Mycosphaerella cattleyae* (Ascomycetes)
- Ophiodothella orchidearum* (Ascomycetes)
- †*Phomopsis orchidophila* (Deuteromycetes)
- Sphenospora kevorkianii* (Promycetes)
- †*Sphenospora mera* (Promycetes)
- Uredo behnickiana* (Promycetes)
- Uredo epidendri* (Promycetes)
- Uredo guacae* (Promycetes)
- Uredo nigropuncta* (?) (Promycetes)

ORNITHOGALUM:

- †*Didymellina ornithogali* (Ascomycetes)
- Meloidogyne hapla* (Nematoda)
- Meloidogyne javanica* (Nematoda)
- Puccinia ornithogali-thyrsoides* (Promycetes)

ORYZA:

- †*Leptosphaeria culmifraga* (Ascomycetes)
- †*Leptosphaeria salvinii* (Ascomycetes)
- †*Ophiobolus oryzinus* (Ascomycetes)
- Septoria oryzae* (Deuteromycetes)
- †*Tilletia horrida* (Promycetes)

PACHYCEREUS:

- Phyllosticta concava* (?) (Deuteromycetes)
- †*Peleospora diaportheoides* (?) (Ascomycetes)

PAEONIA:

- †*Coryneum microstictoides* (Deuteromycetes)
- Meloidogyne hapla* (Nematoda)
- †*Monochaetia paeoniae* (Deuteromycetes)
- Sclerotopsis testudinea* (Deuteromycetes)
- Thielaviopsis basicola* (Deuteromycetes)

PALM:

- †*Corynespora cassiicola* (Deuteromycetes)
- †*Criconeimoides mutabile* (Nematoda)

PASPALUM:

- Cerebella andropogonis* (Deuteromycetes)

PASTINACA:

- Phoma nebulosa* (Deuteromycetes)

PERSEA:

- Cercospora purpurea* (Deuteromycetes)

PETROSELINUM:

- Septoria petroselinii* (Deuteromycetes)

PHALARIS:

- Helicotylenchus nannus* (Nematoda)

PHASEOLUS:

- Elisnoe phaseoli* (Ascomycetes)

PHILODENDRON:

- Colletotrichum philodendri* (Deuteromycetes)
- Helicotylenchus nannus* (Nematoda)

PHORADENDRON:

- †*Phyllosticta phoradendri* (Deuteromycetes)

PHRAGMITES:

- †*Lophodermium arundinaceum* (Ascomycetes)
- †*Papularia sphaerosperma* (Deuteromycetes)

PHYSALIS:

- †*Meliola acervata* (Ascomycetes)

PINUS:

- Coleosporium solidaginis* (Promycetes)

POLIANTHES:

- Meloidogyne javanica* (Nematoda)

POLYGALA:

- Meloidogyne incognita* var. *acrita* (Nematoda)

POPULUS:

- †*Marssonina populi* (Deuteromycetes)
- †*Melampsora populnea* (Promycetes)

PRIMULA:

- †*Tylenchorhynchus brevidens* (Nematoda)

PRUNUS AMYGDALUS:

- Coryneum carpophillum* (Deuteromycetes)

PRUNUS ARMENIACA:

- Coryneum carpophillum* (Deuteromycetes)

PRUNUS DOMESTICA:

- Monilinia laxa* (Ascomycetes)

PSIDIUM:

- Pestalotia psidii* (Deuteromycetes)

PUNICA:

- Sphaceloma punicae* (Deuteromycetes)

PYRACANTHA:

- Fusicladium pyracanthae* (Deuteromycetes)

PYRUS:

- Monilinia fructigena* (Ascomycetes)

QUERCUS:

- †*Cronartium quercuum* (Promycetes)

RAUWOLFIA:

- Meloidogyne arenaria* (Nematoda)
- Meloidogyne javanica* (Nematoda)

RHODODENDRON:

- †*Cercospora handelii* (Deuteromycetes)
- Chrysomyxa ledi* var. *rhododendri* (Promycetes)
- Diplodina eurhododendri* (Deuteromycetes)
- Ezobasidium vaccinii* (Basidiomycetes)
- Gloeosporium rhododendri* (Deuteromycetes)
- Septoria azaleae* (Deuteromycetes)
- †*Torula rhododendri* (Deuteromycetes)

RHYNCHOSTA:

- Meloidogyne incognita* (Nematoda)

RIBES:

- Pseudopeziza ribis* (Ascomycetes)

ROSA:

- Diaporthe eres* (Ascomycetes)
- Meloidogyne hapla* (Nematoda)
- Phragmidium disciflorum* (Promycetes)
- †*Sphaerotheca humuli* (Ascomycetes)

RUBUS:

- †*Coryneum microstictum* (Deuteromycetes)
- †*Mainia variabilis* (Promycetes)
- †*Phyllosticta fusco-zonata* (?) (Deuteromycetes)

SACCHARUM:

- Cytospora sacchari* (Deuteromycetes)
- Leptosphaeria sacchari* (Ascomycetes)

SALIX:

- Tubercularia vulgaris* (Deuteromycetes)

SANSEVIERIA:

- Meloidogyne incognita* (Nematoda)

SCHOMBURGKIA:

- Fusarium solani* (Deuteromycetes)
- Pestalotia conspicua* (Deuteromycetes)
- Uredo behnickiana* (Promycetes)
- Uredo epidendri* (Promycetes)

SINNINGIA:

- Thielaviopsis basicola* (Deuteromycetes)

SOIL:

- †*Aphelenchoides bicaudatus* (Nematoda)
- †*Aphelenchoides coffea* (Nematoda)
- †*Aphelenchoides huntii* (Nematoda)
- †*Criconeimoides xenoplax* (Nematoda)
- †*Helicotylenchus erythrinae* (Nematoda)
- Helicotylenchus multicinctus* (Nematoda)
- Helicotylenchus nannus* (Nematoda)
- Heterodera cacti* (Nematoda)
- Heterodera carotae* (?) (Nematoda)
- Heterodera major* (Nematoda)
- Heterodera punctata* (Nematoda)
- Heterodera rostochiensis* (Nematoda)
- †*Heterodera schachtii* (Nematoda)
- Meloidogyne incognita* (Nematoda)
- Meloidogyne incognita* var. *acrita* (Nematoda)
- †*Paraphlenchus amblyurus* (?) (Nematoda)
- Pratylenchus penetrans* (Nematoda)
- Pratylenchus pratensis* (Nematoda)
- †*Pratylenchus vulnus* (Nematoda)
- Rotylenchus reniformis* (Nematoda)
- Rotylenchus robustus* (Nematoda)
- Scutellonema brachyurum* (Nematoda)
- Tylenchorhynchus dubius* (Nematoda)
- †*Tylenchorhynchus martini* (Nematoda)
- Tylenchus filiformis* (Nematoda)

SOLANUM:

- Meloidogyne arenaria* (Nematoda)
- Meloidogyne hapla* (Nematoda)
- Meloidogyne incognita* (Nematoda)
- Meloidogyne incognita* var. *acrita* (Nematoda)
- Meloidogyne javanica* (Nematoda)

SORBUS:

- †*Gymnosporangium juniperi* (Promycetes)
- Monilinia laxa* (Ascomycetes)

SPINACIA:

- Peronospora effusa* (Phycomycetes)

STACHYTARPHETA:

- Puccinia urbaniana* (Promycetes)

Hosts and Diseases—Continued

STANHOPEA:

Uredo guacae (Promycetes)

TAXUS:

Diplodia taxi (Deuteromycetes)

TECOMA:

Meloidogyne javanica (Nematoda)

TELIPOGON:

Uredo guacae (?) (Promycetes)

THEOBROMA:

‡*Phytophthora palmivora* (Phycmycetes)

THUNBERGIA:

Meloidogyne javanica (Nematoda)

TRITICUM:

Ophiobolus graminis (?) (Ascomycetes)†*Puccinia glumarum* (Promycetes)

UROCHLOA:

‡*Phyllachora sanguinolenta* (Ascomycetes)†*Uromyces leptodermus* (Promycetes)

VANILLA:

†*Uredo scabiei* (Promycetes)

VIBURNUM:

‡*Hendersonia foliorum* var. *viburni* (Deuteromycetes)*Meloidogyne hapla* (Nematoda)

VIOLA:

Meloidogyne hapla (Nematoda)

WILKESIA:

Meloidogyne incognita var. *acrita* (Nematoda)

XANTHOSOMA:

Meloidogyne javanica (Nematoda)

YUCCA:

Hendersonia yuccae (Deuteromycetes)*Stagonospora gigantea* (Deuteromycetes)*Stagonospora macrospora* (Deuteromycetes)

ZANTEDESCHIA:

Meloidogyne javanica (Nematoda)

ZINGIBER:

Colletotrichum zingiberis (Deuteromycetes)*Melanospora zamiae* (Ascomycetes)*Meloidogyne javanica* (Nematoda)

ZIZANIA:

†*Phyllachora graminis* (Ascomycetes)*Hosts Unknown*

BULB:

Meloidogyne javanica (Nematoda)

CUTTING:

‡*Cryptosphaeria eunomia* (?) (Ascomycetes)*Helicotylenchus nannus* (Nematoda)

FERN:

Helicotylenchus multicinctus (Nematoda)

PLANT:

Meloidogyne javanica (Nematoda)‡*Tylenchorhynchus capitatus* (Nematoda)

SCALE INSECT:

‡*Pseudomicrocera henningsii* (Deuteromycetes)

See footnotes at the end of this list.

Countries of Origin and Diseases

- AFRICA:
Phoma citricarpa
- ANTIGUA:
 †*Phytophthora palmivora*
- ARGENTINA:
Elsinoe australis
 †*Fusarium oxysporum* f. *batatas*
Heterodera rostochiensis
Xanthomonas sp. (Cancrosis B)
- AUSTRALIA:
 †*Cercospora panacis* (?)
Cerebella andropogonis
Cryptospora longispora
 †*Gloeosporium album*
 †*Helicotylenchus multinctus*
 †*Helicotylenchus nannus*
Macrophoma araucariae
Meliola citricola
 †*Meloidogyne hapla*
Phoma citricarpa
Phoma nebulosa
 †*Puccinia juncophila* (?)
Sphaeloma favettii var. *scabiosa*
 †*Uromycladium tepperianum*
- AUSTRIA:
Chrysomya ledi var. *rhododendri*
 †*Pratylenchus minyus*
 †*Pratylenchus penetrans*
- AZORES:
 †*Aphelenchoides huntii*
 †*Helicotylenchus nannus*
 †*Pratylenchus penetrans*
 †*Scutellonema brachyurum*
 †*Septoria petroselinii*
 †*Tylenchorhynchus dubius*
- BAHAMAS:
 †*Meloidogyne incognita acrita*
Xanthomonas malvacearum
- BELGIUM:
Colletotrichum cliviae
Erobasidium vaccinii
Heterodera major
Heterodera punctata
Heterodera rostochiensis
 †*Meloidogyne hapla*
 †*Monilinia laza*
 †*Stemphylium radicinum*
- BOLIVIA:
 †*Uredo guacae*
- BRAZIL:
Elsinoe australis
Elsinoe mangiferae
Meloidogyne incognita acrita
 †*Meloidogyne javanica*
Phoma citricarpa
 †*Phragmidium disciflorum*
Uredo behnickiana
Uredo guacae
Uredo oncidii
- BRITISH HONDURAS:
 †*Pestalotia conspicua*
 †*Sphenospora kevorkianii*
 †*Uredo epidendri*
 †*Uredo oncidii*
- CANADA:
Coleosporium solidaginis
Helicotylenchus erythrinae
 †*Heterosporium iridis*
Meloidogyne incognita
 †*Pratylenchus penetrans*
Pseudomonas marginata
 †*Rotylenchus robustus*
 †*Scutellonema brachyurum*
 †*Tylenchorhynchus dubius*
- CANAL ZONE:
 †*Meloidogyne incognita acrita*
Uredo epidendri (?)
 †*Uredo nigropuncta* (?)
 †*Uredo oncidii*
- CHILE:
Meloidogyne arenaria
Meloidogyne incognita
- CHINA:
Colletotrichum zingiberis
- Melanospora zamiae*
Phoma citricarpa
Xanthomonas citri
 †*Zygoryhynchus japonicus*
- COLOMBIA:
 †*Heterosporium echinulatum*
 †*Mainsia variabilis*
- COSTA RICA:
 †*Aphelenchoides bicaudatus*
Aphelenchoides coffea
 †*Helicotylenchus multinctus*
Meloidogyne incognita
 †*Meloidogyne incognita acrita*
Mycosphaerella cattleyae
Pestalotia conspicua
Uredo behnickiana
Uredo guacae
Uredo nigropuncta
Uredo oncidii
- CUBA:
 †*Elsinoe mangiferae*
 †*Helicotylenchus nannus*
 †*Meloidogyne javanica*
 †*Rotylenchus reniformis*
Sphaerostilbe aurantiicola
 †*Sphenospora kevorkianii*
Uredo epidendri (?)
Uredo guacae
Uredo nigropuncta
- CZECHOSLOVAKIA:
 †*Lophodermium arundinaceum*
- DENMARK:
Heterodera major
 †*Monilinia fructigena*
- DOMINICAN REPUBLIC:
 †*Cercospora coffeicola*
Helminthosporium torulosum
 †*Meloidogyne arenaria*
 †*Meloidogyne incognita*
 †*Meloidogyne javanica*
 †*Uredo epidendri* (?)
- ECUADOR:
 †*Heterodera rostochiensis*
 †*Meloidogyne arenaria*
 †*Mycosphaerella cattleyae*
 †*Phomopsis orchidophila*
Sphenospora kevorkianii
Sphenospora mera
 †*Uredo epidendri*
Uredo guacae (?)
Uredo oncidii (?)
- ENGLAND:
 †*Cercospora handelii*
Cytospora ambiens
Ditylenchus dipsaci
Heterodera major
Heterodera punctata
Heterodera rostochiensis
 †*Meloidogyne hapla*
Monilinia fructigena
Monilinia laza
 †*Rotylenchus robustus*
 †*Septoria astericola*
Septoria chrysanthemi
Septoria selenophomoides
Uredo oncidii (?)
- ENGLAND (?):
Puccinia buxi
- EUROPE:
Heterodera rostochiensis
- FORMOSA:
Xanthomonas citri
- FRANCE:
 †*Asterosporium hoffmanni*
Coryneum carpophitum
Diaporthe eres
Heterodera cacti
Heterodera major
 †*Meloidogyne incognita acrita*
Ophiobolus graminis (?)
 †*Papularia sphaerosperma*
Puccinia buxi
Puccinia glumarum
 †*Septoria antirrhini*

See footnotes at the end of this list.

Countries of Origin and Diseases—Continued

FRENCH WEST AFRICA:

†*Meloidogyne incognita acrita*

GERMANY:

†*Alternaria dianthicola*†*Chrysomyxa ledi* var. *rhododendri*†*Cladosporium fasciculare* (?)†*Colletotrichum philodendri*†*Gloeosporium album**Heterodera cacti*†*Heterodera carotae* (?)*Heterodera major**Heterodera punctata**Heterodera rostochiensis**Heterosporium allii*†*Macrophoma araucariae*†*Melampsora populnea**Meloidogyne hapla*†*Meloidogyne incognita**Mycosphaerella fragariae**Peronospora parasitica*†*Phyllosticta gaultheriae*†*Pseudopeziza ribis*†*Pratylenchus robustus*†*Septoria selenophomoides**Thielaviopsis basicola*

GREECE:

†*Helicotylenchus nannus*†*Heterodera rostochiensis*†*Tylenchus filiformis*

GUAM:

Phomopsis palmicola

GUATEMALA:

*Camarosporium orchidicola**Meloidogyne arenaria**Pestalotia conspicua**Uredo epidendri* (?)*Uredo guacae* (?)*Uredo oncidii*

HAITI:

†*Helicotylenchus nannus*†*Paraphlenchus amblyurus* (?)

HAWAII:

†*Meliola acervata*†*Meloidogyne javanica**Eromyces alysiae*

HONDURAS:

†*Phyllosticta cajani**Uredo oncidii*

HONG KONG:

†*Meloidogyne javanica*†*Phoma citricarpa*†*Xanthomonas citri*

ICELAND:

Heterodera punctata†*Heterodera rostochiensis*

INDIA:

Coleosporium bletiae†*Meloidogyne javanica**Physalospora wildemanniana*†*Plicaria fulva*

INDONESIA:

†*Pestalotia conspicua*

IRAN:

†*Pratylenchus penetrans*†*Pratylenchus pratensis*

IRELAND:

*Heterodera major**Heterodera punctata**Heterodera rostochiensis*†*Septoria petroselinii*†*Tylenchorhynchus brevidens*

ISRAEL:

†*Puccinia allii*†*Urocystis cepulae*

ITALY:

Colletotrichum agaves†*Colletotrichum trichellum**Coryneum carpophilum**Ditylenchus dipsaci**Erwinia citrinaculans*†*Gloeosporium album**Helicotylenchus erythrinae**Heterodera cacti**Heterodera major**Heterodera punctata**Macrophoma oleae**Marssonina juglandis**Meloidogyne javanica**Mycosphaerella fragariae**Phoma limonii*†*Phyllosticta fusco-zonata* (?)†*Pratylenchus vulnus**Sclerotium cepivorum**Scutellonema brachyurum**Septoria citri**Tylenchus filiformis*

JAMAICA:

†*Helicotylenchus nannus**Meloidogyne incognita*†*Meloidogyne javanica*†*Rotylenchus erythrinae* (?)*Uredo nigropuncta*

JAPAN:

†*Ascochyta pisi**Coleosporium solidaginis**Criconeimoides zenopiaz**Cylindrosporium chrysanthemi**Diplodia laxi**Discosia artocreas**Gymnosporangium haraceanum*†*Leptosphaeria culmifraga**Melanospora zamiae**Meliola citricola**Meloidogyne arenaria*†*Meloidogyne arenaria thamesi**Meloidogyne hapla**Meloidogyne incognita**Meloidogyne javanica**Mycosphaerella schoenoprasii*†*Ophiobolus oryzinus**Phoma citricarpa*†*Phyllachora graminis*†*Puccinia buri*†*Puccinia chrysanthemi*†*Puccinia hemerocallidis**Puccinia horiana**Sclerotium testudinea**Septoria chrysanthemi**Septoria citri**Septoria oryzae**Thielaviopsis basicola*†*Tilletia horrida**Tritirachium dependens**Eromyces lespedezae-procumbentis**Xanthomonas citri*

KWAJALEIN:

†*Phyllosticta coccolobae*

LIBERIA:

†*Stemphylium botryosum*

MACAO:

Phoma citricarpa†*Septoria citri*

MARQUESAS ISLANDS:

†*Cercospora musae*

MARTINIQUE:

†*Meloidogyne incognita acrita*

MEXICO:

*Alternaria dianthi**Ceratocystis radialis**Cercospora mangiferae**Cercospora purpurea**Coleosporium dahliae**Colletotrichum agaves**Colletotrichum capsici*†*Colletotrichum coffeanum**Colletotrichum philodendri*†*Corynespora cassicola*†*Criconeimoides mulabile*†*Cronartium quercuum*†*Cryptosphaeria eunomia* (?)*Cytospora sacchari**Ditylenchus dipsaci*†*Echidnodes bromeliacearum**Elsinoe mangiferae**Fusarium oxysporum* f. *gladioli**Fusarium solani*

See footnotes at the end of this list.

Countries of Origin and Diseases—Continued

MEXICO—Continued

- †*Helicotylenchus multicinctus*
- Helicotylenchus nannus*
- Hendersonia agaves*
- Hendersonia citri*
- Hendersonia opuntiae*
- Hendersonia yuccae*
- Heterodera cacti*
- Heterodera punctata*
- Heterodera rostochiensis*
- †*Hypocrella sloanae*
- "Leprosis"
- Leptosphaeria niessleana*
- Leptosphaeria sacchari*
- †*Macrophoma cocos*
- †*Marssonina populi*
- Meloidogyne incognita*
- Meloidogyne incognita acrita*
- Meloidogyne javanica*
- Microdiploia agaves*
- Omphalia flavida*
- Ophioidothella orchidearum*
- Peronospora effusa*
- Pestalotia coffeae*
- Pestalotia conspicua*
- Pestalotia psidii*
- Phyllosticta concava* (?)
- †*Phyllosticta phoradendri*
- Phyllostictina mangiferae*
- †*Pleospora agaves*
- †*Pleospora diaportheoides* (?)
- †*Pseudomicrocera henningsii*
- †*Pyrenochaeta spinicola* (?)
- †*Ravenelia brongniartiae*
- †*Ravenelia papillifera*
- Ringspot virus (?)
- †*Scutellonema brachyurum*
- †*Septoria citri*
- †*Septoria sapotae*
- †*Sorosporium cenchri*
- †*Spegazzinia ornata*
- Sphaceloma puniceae*
- Stagonospora gigantea*
- Stagonospora macrospora*
- †*Stemphylium consortiale*
- †*Teichospora opuntiae*
- †*Tylenchorhynchus capitatus*
- Uredo behnickiana*

MOROCCO:

- Coryneum microstictum*
- †*Puccinia menthae* (?)
- Septoria petroselini*

MOZAMBIQUE:

- Phoma citricarpa*
- †*Phyllachora sanguinolenta*
- †*Uromyces leptodermus*

NETHERLANDS:

- †*Coniothecium glumarum*
- Coniothyrium cytiselum*
- Coryneum microstictoides*
- Cumminsella mirabilissima*
- Diaporthe eres*
- Diplodina eurhododendri*
- Fusarium oxysporum* f. *gladioli*
- Fusicladium pyracanthae*
- Fusicoccum gallericulatum*
- †*Gloeosporium album*
- Gloeosporium rhododendri*
- †*Hendersonia foliorum* var. *viburni*
- †*Hendersonia piriformis* (?)
- Heterodera avenae*
- Heterodera punctata*
- Heterodera rostochiensis*
- Meloidogyne hapla*
- Monilinia fructigena*
- †*Monochaetia paeoniae*
- †*Phyllosticta hedericola*
- Pratylenchus penetrans*
- Pratylenchus pratensis*
- Septoria azaleae*
- Thielaviopsis basicola*
- Tubercularia vulgaris*
- Urocystis gladiolicola*

NETHERLANDS GUIANA:

- †*Uredo nigropuncta* (?)

NEW GUINEA:

- †*Mycosphaerella cattleyae*
- †*Myriocapron orchidearum*

NEW ZEALAND:

- †*Heterodera cacti*

NIGERIA:

- Scutellonema bradys*

NORFOLK ISLAND:

- †*Chlamydomyces palmarum*
- Cryptospora longispora*
- †*Diaporthe eres*
- Macrophoma araucariae*

NORTHERN IRELAND:

- †*Diaporthe eres*

NORWAY:

- Cumminsella mirabilissima*
- †*Gymnosporangium juniperi*
- Heterodera punctata*
- †*Phragmidium disciflorum*

PAKISTAN:

- Phoma citricarpa*

PALESTINE:

- †*Alternaria dianthicola*

PANAMA:

- †*Sphaerotheca humuli*
- †*Uredo guacae* (?)
- †*Uredo scabies*

PERU:

- Heterodera rostochiensis*
- "Leprosis"
- †*Meloidogyne arenaria*

PHILIPPINES:

- †*Colletotrichum arecae*
- Phoma citricarpa*
- Xanthomonas citri* (?)

PORTUGAL:

- †*Coniothyrium genistae*
- †*Coniothyrium leguminum*
- †*Helicotylenchus erythrinae*
- †*Papularia vinosa*
- †*Uromyces junci*

PUERTO RICO:

- †*Alternaria dauci*
- †*Cercospora apii*
- Colletotrichum cajani*
- Colletotrichum capsici*
- Elsinoe phaseoli*
- †*Phyllachora canafistulae*
- Puccinia urbaniana*
- Uredo epidendri* (?)
- †*Uredo guacae* (?)

ST. KITTs:

- Colletotrichum cajani*

SALVADOR:

- †*Phyllosticta pleurothallidis* (?)
- †*Uredo epidendri* (?)
- Uredo guacae* (?)
- †*Uredo oncidii*

SCOTLAND:

- Helicotylenchus erythrinae*
- †*Helicotylenchus nannus*
- Heterodera major*
- Heterodera punctata*
- Heterodera rostochiensis*

SPAIN:

- Alternaria citri*
- Ditylenchus dipsaci*
- Heterodera major*
- †*Heterodera schachtii*
- Sclerotium cepivorum*
- Septoria citri*

SWEDEN:

- Heterodera major*
- †*Heterodera schachtii*
- †*Papulaspora parasitica*

SWITZERLAND:

- Chrysomyxa ledi* var. *rhododendri*
- †*Torula rhododendri*

TAHITI:

- †*Macrophoma musae*

Countries of Origin and Diseases—Continued

THAILAND:

†*Leptosphaeria salvinii**Meliola citricola*†*Meloidogyne arenaria*†*Meloidogyne javanica**Xanthomonas citri*

TURKEY:

†*Fusarium oxysporum* f. *narcissi* (?)

UNION OF SOUTH AFRICA:

†*Didymella ornithogali*†*Helicotylenchus nannus*†*Meloidogyne hapla*†*Meloidogyne incognita**Meloidogyne javanica**Phoma citricarpa**Puccinia ornithogali-thyrsoides**Septoria citri*

UNKNOWN:

*Coryneum carpophilum**Heterodera punctata**Phoma citricarpa*††*Tylenchorhynchus martini**Uredo behnickiana*

WAKE ISLAND (?):

Epicoccum cocos

A dagger (†) indicates a first interception from the country named.

A double dagger (††) indicates first record of its interception by Division inspectors.





